



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<b>(51) International Patent Classification:</b> <b>G06F 19/00</b>	<b>A1</b>	<b>(11) International Publication Number:</b> <b>WO 00/68865</b> <b>(43) International Publication Date:</b> 16 November 2000 (16.11.2000)
<b>(21) International Application Number:</b> PCT/US00/13111 <b>(22) International Filing Date:</b> 11 May 2000 (11.05.2000) <b>(30) Priority Data:</b> 60/133,441 11 May 1999 (11.05.1999) US 60/141,650 29 June 1999 (29.06.1999) US 60/145,158 22 July 1999 (22.07.1999) US 60/146,677 02 August 1999 (02.08.1999) US 60/156,169 27 September 1999 (27.09.1999) US 60/177,133 20 January 2000 (20.01.2000) US <b>(60) Parent Application or Grant</b> NAM CORPORATION [/]; O. ISRAEL, Roy [/]; O. SPECHT, Willem, F. [/]; O. BARON, Ronald, J. ; O.		<b>Published</b>
<b>(54) Title: SYSTEM AND METHOD FOR PROVIDING COMPLETE NON-JUDICIAL DISPUTE RESOLUTION MANAGEMENT AND OPERATION</b>		
<b>(54) Titre: SYSTEME ET PROCEDE DE GESTION ET DE MISE EN OEUVRE COMPLETES DE RESOLUTION NON JUDICIAIRE DE LITIGES</b>		
<b>(57) Abstract</b>		
<p>A system (1) and method for providing complete non-judicial dispute resolution management and operation. The system includes an electronic architecture (3) which receives, sorts, and stores data related to non-judicial dispute resolution. The architecture enables implementation and management between two or more adverse parties (UT1, ..., UTn) to a dispute. The system is accessible electronically by wired and/or wireless communication. The architecture includes a management module configured to receive, sort and store dispute resolution data to provide an internal continuous compilation of such data and new data generated during the resolution procedures. The architecture also includes a reckoning module connected to the management module for receipt of dispute resolution data. The reckoning module is designed to implement a selected resolution procedure and to transmit to the management new data generated during the resolution procedure.</p>		
<b>(57) Abrégé</b>		
<p>L'invention concerne un système (1) et un procédé de gestion et de mise en oeuvre complètes de résolution non judiciaire de litiges. Le système comporte une architecture (3) électronique qui reçoit, trie et stocke des données liées à la résolution non judiciaire de litiges. L'architecture permet de mettre en place et de gérer un litige entre deux ou davantage de parties opposées (UT1, ..., UTn). Le système est accessible par des moyens électroniques à l'aide de communications câblées et/ou sans fil. L'architecture comporte un module de gestion configuré pour recevoir, trier et stocker des données de résolution de litiges en vue d'assurer une compilation interne continue de ces données et de nouvelles données produites au cours des procédures de résolution. L'architecture comporte également un module d'estimation relié au module de gestion pour recevoir des données de résolution de litiges. Le module d'estimation est conçu pour mettre en oeuvre une procédure de résolution sélectionnée et pour transmettre à la direction les nouvelles données produites au cours de la procédure de résolution.</p>		

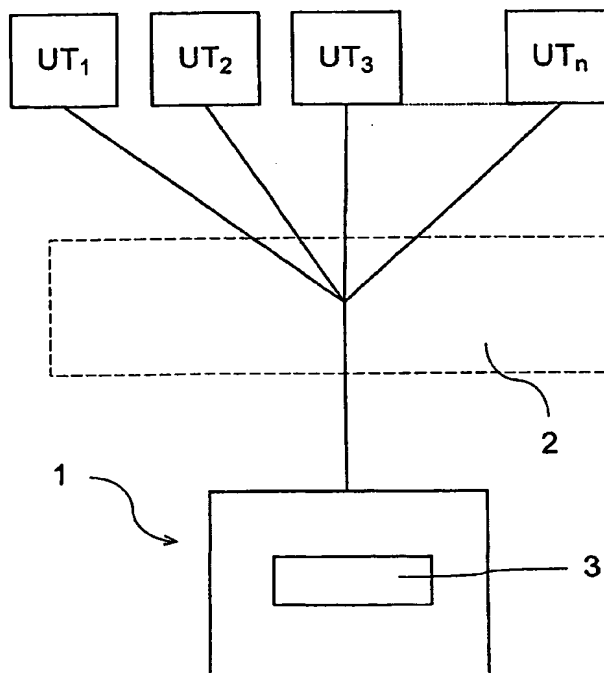
PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION  
International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<p>(51) International Patent Classification <sup>7</sup> : G06F 19/00</p>	<p>A1</p>	<p>(11) International Publication Number: <b>WO 00/68865</b></p> <p>(43) International Publication Date: 16 November 2000 (16.11.00)</p>																				
<table style="width: 100%;"> <tr> <td style="width: 45%; vertical-align: top;"> <p>(21) International Application Number: PCT/US00/13111</p> <p>(22) International Filing Date: 11 May 2000 (11.05.00)</p> <p>(30) Priority Data:</p> <table style="width: 100%;"> <tr> <td style="width: 30%;">60/133,441</td> <td style="width: 30%;">11 May 1999 (11.05.99)</td> <td style="width: 40%;">US</td> </tr> <tr> <td>60/141,650</td> <td>29 June 1999 (29.06.99)</td> <td>US</td> </tr> <tr> <td>60/145,158</td> <td>22 July 1999 (22.07.99)</td> <td>US</td> </tr> <tr> <td>60/146,677</td> <td>2 August 1999 (02.08.99)</td> <td>US</td> </tr> <tr> <td>60/156,169</td> <td>27 September 1999 (27.09.99)</td> <td>US</td> </tr> <tr> <td>60/177,133</td> <td>20 January 2000 (20.01.00)</td> <td>US</td> </tr> </table> <p>(71) Applicant: NAM CORPORATION [US/US]; Suite 336, 1010 Northern Boulevard, Great Neck, NY 11021 (US).</p> <p>(72) Inventors: ISRAEL, Roy; 63 Shelter Lane, Roslyn Heights, NY 11577 (US). SPECHT, Willem, F.; Apartment 2G, 125 South Bayview Avenue, Freeport, NY 11520 (US).</p> <p>(74) Agents: BARON, Ronald, J. et al.; Hoffmann &amp; Baron, LLP, 6900 Jericho Turnpike, Syosset, NY 11791 (US).</p> </td> <td style="width: 55%; vertical-align: top;"> <p>(81) Designated States: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p>Published With international search report.</p> </td> </tr> </table>			<p>(21) International Application Number: PCT/US00/13111</p> <p>(22) International Filing Date: 11 May 2000 (11.05.00)</p> <p>(30) Priority Data:</p> <table style="width: 100%;"> <tr> <td style="width: 30%;">60/133,441</td> <td style="width: 30%;">11 May 1999 (11.05.99)</td> <td style="width: 40%;">US</td> </tr> <tr> <td>60/141,650</td> <td>29 June 1999 (29.06.99)</td> <td>US</td> </tr> <tr> <td>60/145,158</td> <td>22 July 1999 (22.07.99)</td> <td>US</td> </tr> <tr> <td>60/146,677</td> <td>2 August 1999 (02.08.99)</td> <td>US</td> </tr> <tr> <td>60/156,169</td> <td>27 September 1999 (27.09.99)</td> <td>US</td> </tr> <tr> <td>60/177,133</td> <td>20 January 2000 (20.01.00)</td> <td>US</td> </tr> </table> <p>(71) Applicant: NAM CORPORATION [US/US]; Suite 336, 1010 Northern Boulevard, Great Neck, NY 11021 (US).</p> <p>(72) Inventors: ISRAEL, Roy; 63 Shelter Lane, Roslyn Heights, NY 11577 (US). SPECHT, Willem, F.; Apartment 2G, 125 South Bayview Avenue, Freeport, NY 11520 (US).</p> <p>(74) Agents: BARON, Ronald, J. et al.; Hoffmann &amp; Baron, LLP, 6900 Jericho Turnpike, Syosset, NY 11791 (US).</p>	60/133,441	11 May 1999 (11.05.99)	US	60/141,650	29 June 1999 (29.06.99)	US	60/145,158	22 July 1999 (22.07.99)	US	60/146,677	2 August 1999 (02.08.99)	US	60/156,169	27 September 1999 (27.09.99)	US	60/177,133	20 January 2000 (20.01.00)	US	<p>(81) Designated States: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p>Published With international search report.</p>
<p>(21) International Application Number: PCT/US00/13111</p> <p>(22) International Filing Date: 11 May 2000 (11.05.00)</p> <p>(30) Priority Data:</p> <table style="width: 100%;"> <tr> <td style="width: 30%;">60/133,441</td> <td style="width: 30%;">11 May 1999 (11.05.99)</td> <td style="width: 40%;">US</td> </tr> <tr> <td>60/141,650</td> <td>29 June 1999 (29.06.99)</td> <td>US</td> </tr> <tr> <td>60/145,158</td> <td>22 July 1999 (22.07.99)</td> <td>US</td> </tr> <tr> <td>60/146,677</td> <td>2 August 1999 (02.08.99)</td> <td>US</td> </tr> <tr> <td>60/156,169</td> <td>27 September 1999 (27.09.99)</td> <td>US</td> </tr> <tr> <td>60/177,133</td> <td>20 January 2000 (20.01.00)</td> <td>US</td> </tr> </table> <p>(71) Applicant: NAM CORPORATION [US/US]; Suite 336, 1010 Northern Boulevard, Great Neck, NY 11021 (US).</p> <p>(72) Inventors: ISRAEL, Roy; 63 Shelter Lane, Roslyn Heights, NY 11577 (US). SPECHT, Willem, F.; Apartment 2G, 125 South Bayview Avenue, Freeport, NY 11520 (US).</p> <p>(74) Agents: BARON, Ronald, J. et al.; Hoffmann &amp; Baron, LLP, 6900 Jericho Turnpike, Syosset, NY 11791 (US).</p>	60/133,441	11 May 1999 (11.05.99)	US	60/141,650	29 June 1999 (29.06.99)	US	60/145,158	22 July 1999 (22.07.99)	US	60/146,677	2 August 1999 (02.08.99)	US	60/156,169	27 September 1999 (27.09.99)	US	60/177,133	20 January 2000 (20.01.00)	US	<p>(81) Designated States: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p>Published With international search report.</p>			
60/133,441	11 May 1999 (11.05.99)	US																				
60/141,650	29 June 1999 (29.06.99)	US																				
60/145,158	22 July 1999 (22.07.99)	US																				
60/146,677	2 August 1999 (02.08.99)	US																				
60/156,169	27 September 1999 (27.09.99)	US																				
60/177,133	20 January 2000 (20.01.00)	US																				
<p>(54) Title: SYSTEM AND METHOD FOR PROVIDING COMPLETE NON-JUDICIAL DISPUTE RESOLUTION MANAGEMENT AND OPERATION</p>																						
<p>(57) Abstract</p> <p>A system (1) and method for providing complete non-judicial dispute resolution management and operation. The system includes an electronic architecture (3) which receives, sorts, and stores data related to non-judicial dispute resolution. The architecture enables implementation and management between two or more adverse parties (UT<sub>1</sub>, ..., UT<sub>n</sub>) to a dispute. The system is accessible electronically by wired and/or wireless communication. The architecture includes a management module configured to receive, sort and store dispute resolution data to provide an internal continuous compilation of such data and new data generated during the resolution procedures. The architecture also includes a reckoning module connected to the management module for receipt of dispute resolution data. The reckoning module is designed to implement a selected resolution procedure and to transmit to the management new data generated during the resolution procedure.</p>																						



**FOR THE PURPOSES OF INFORMATION ONLY**

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

AL	Albania	ES	Spain	LS	Lesotho	SI	Slovenia
AM	Armenia	FI	Finland	LT	Lithuania	SK	Slovakia
AT	Austria	FR	France	LU	Luxembourg	SN	Senegal
AU	Australia	GA	Gabon	LV	Latvia	SZ	Swaziland
AZ	Azerbaijan	GB	United Kingdom	MC	Monaco	TD	Chad
BA	Bosnia and Herzegovina	GE	Georgia	MD	Republic of Moldova	TG	Togo
BB	Barbados	GH	Ghana	MG	Madagascar	TJ	Tajikistan
BE	Belgium	GN	Guinea	MK	The former Yugoslav Republic of Macedonia	TM	Turkmenistan
BF	Burkina Faso	GR	Greece	ML	Mali	TR	Turkey
BG	Bulgaria	HU	Hungary	MN	Mongolia	TT	Trinidad and Tobago
BJ	Benin	IE	Ireland	MR	Mauritania	UA	Ukraine
BR	Brazil	IL	Israel	MW	Malawi	UG	Uganda
BY	Belarus	IS	Iceland	MX	Mexico	US	United States of America
CA	Canada	IT	Italy	NE	Niger	UZ	Uzbekistan
CF	Central African Republic	JP	Japan	NL	Netherlands	VN	Viet Nam
CG	Congo	KE	Kenya	NO	Norway	YU	Yugoslavia
CH	Switzerland	KG	Kyrgyzstan	NZ	New Zealand	ZW	Zimbabwe
CI	Côte d'Ivoire	KP	Democratic People's Republic of Korea	PL	Poland		
CM	Cameroon	KR	Republic of Korea	PT	Portugal		
CN	China	KZ	Kazakhstan	RO	Romania		
CU	Cuba	LC	Saint Lucia	RU	Russian Federation		
CZ	Czech Republic	LJ	Liechtenstein	SD	Sudan		
DE	Germany	LK	Sri Lanka	SE	Sweden		
DK	Denmark	LR	Liberia	SG	Singapore		
EE	Estonia						

## Description

5

10

15

20

25

30

35

40

45

50

55

**SYSTEM AND METHOD FOR PROVIDING COMPLETE NON-  
JUDICIAL DISPUTE RESOLUTION MANAGEMENT AND OPERATION**

**BACKGROUND OF THE INVENTION**

The present invention relates generally to dispute resolution and more specifically relates to a system for providing complete non-judicial dispute resolution management and procedures.

The present application claims priority to six (6) provisional applications identified as follows: U.S. Application Serial Number 60/133,441, filed May 11, 1999; U.S. Application Serial Number 60/141,650, filed June 29, 1999; U.S. Application Serial Number 60/145,158, filed July 22, 1999; U.S. Application Serial Number 60/146,677, filed August 2, 1999; U.S. Application Serial Number 60/156,169, filed September 27, 1999; and U.S. Application Serial Number 60/177,133, filed January 20, 2000. Each of these earlier filed provisional applications are incorporated herein by reference.

There are numerous conventional means whereby parties involved in a legal dispute may attempt to resolve such dispute, or settle the case. These means include, for example, using the public court system (including small claims court), or non-judicial dispute resolution. However, the public's confidence in the court system seems to have deteriorated over the years. Moreover, the time required to bring a dispute to resolution has become inordinately long. Finally, and perhaps most important of all, the costs associated with a litigation are very high and, in many cases, discourage a legitimate complainant from seeking redress. Consequently, parties and, thus, the legal community have continuously sought to find "a better way" to resolve disputes than through the courts.

In the age of computerization, attempts have been made within the legal community to streamline handling of disputes on behalf of claimants. For example, U.S. Patent No. 5,956,687 to Wamsley, et al. discloses a technique for computerized management of a plaintiff's personal injury case. The technique includes establishing works reflective of each phase of a personal injury claim, including a pre-negotiation phase, a technique to generate a demand letter and calculate settlement amounts based

5 on information gathered in the record during handling of the claim. However, the  
Wamsley, et al. "Personal Injury Claim Management System" does not provide an  
architecture for operation and management of non-judicially handled claims, and,  
10 thus, is sorely bereft of the capacity to service a significant number of disputes arising  
5 in our society. (In the context of the present invention, "non-judicial" means  
originated and/or handled outside of the court system – although a court may be  
involved at some point in the dispute, e.g., to sign a document, order implementation,  
15 etc).

In recent years the attempt to bypass the judicial system has resulted in  
10 systems and organizations to settle cases without going to court. As part of  
procedures developed to carry out settlement, parties have been offered the ability to  
20 have a dispute mediated, usually by a third party who can be referred to as a mediator.  
Mediation permits each party to tell its story and even propose a settlement figure  
when appropriate (which can be made known or kept secret by the mediator).  
25

15 Another method of resolving a dispute outside the courts is by arbitration.  
Arbitration can be carried out by a single arbitrator or by a panel of arbitrators. The  
procedure used for arbitration can be somewhat complex, depending on the rules of  
30 arbitration agreed to by the parties. The level of participation by a mediator or an  
arbitrator (or panel of arbitrators) can vary widely depending on the scenario selected  
20 by the parties. Generally, this rather wide range of unspecified possibilities has been  
referred to as alternative dispute resolution (ADR).  
35

As part of ADR, or adjunct thereto, parties have, from time to time,  
40 participated in blind-bid scenarios which mean that each party to a dispute submits a  
bid without the other party(ies) knowing its bid. The bids are evaluated with a view  
25 to settling the dispute. If the bids are sufficiently close or fall within a pre-arranged  
relationship, the dispute can be settled. If not, additional bidding can be provoked.  
45 Bid reception and evaluation can be effected by a judge, a mediator, an arbitrator, or  
even electronically. See, for example, U.S. Patent No. 5,7615,269 to Micali, which  
describes an electronic communications method for resolving a transaction when bids  
30 from at least two parties come within a predetermined relationship. Similarly, an on-  
50

5 line dispute resolution company, CyberSettle.Com Inc., has made available a web site  
which accepts three (3) bids from each party, compares the bids to determine whether  
they are within an agreed-upon range, and reports settlement or provokes a "last  
10 chance" bid.

5 In any event, even use of the extensive array of non-judicial dispute resolution  
techniques can prove to be unwieldy and/or cost-ineffective, especially from the  
15 perspective of an organization such as an insurance company and/or claims  
department and/or law firm which handles many (and varied) disputes on behalf of  
one or more parties. Non-judicial dispute resolution includes so many possible  
10 procedural schemes that it unduly complicates standard claim handling in a traditional  
judicial agency such as those enumerated in the previous sentence. Thus, there is a  
20 tremendous need for providing a system whereby a complete array of non-judicial  
dispute resolution techniques are simultaneously made available and managed.

### 25 SUMMARY OF THE INVENTION

15 The present invention is a unique system which enables adverse parties to  
conduct and manage a full array of non-judicial dispute resolution. The present  
30 invention includes an electronic architecture which receives, sorts, and stores data  
related to non-judicial dispute resolution. This architecture enables implementation  
and management of a full range of non-judicial dispute resolution procedures between  
20 two or more adverse parties to a dispute. "Full range of non-judicial dispute  
35 resolution procedures" includes bid-style negotiations, mediation, and arbitration.

The system can be accessible electronically via wired and/or wireless  
40 communications, and is preferably accessible via the internet. In one particular  
embodiment, the system is accessible over the internet via a link provided in a web  
25 site of another entity. When wireless communications is used for access, any viable  
frequencies available from the electromagnetic spectrum can be used, e.g., radio  
45 frequency, microwave, UHF, and other frequencies.

The architecture itself includes a management module, configured to receive,  
50 sort and store dispute resolution data and to provide internal continuous compilation

5 of such data and new data generated during non-judicial dispute resolution procedures.

10 The architecture also includes a reckoning module connected to and/or electronically associated with (e.g., including a computerized relationship) the management module for receipt of dispute resolution data, and is designed to  
5 implement a selected resolution procedure and to transmit to the management module new data generated during a resolution procedure.  
15

The system can be accessed in response to the biographical data input by at least one of the parties. The biographical data can include personal and/or  
20 10 organization-identification information and/or one or more of an account number, username, a password, etc., and can be verified by the system.

In one embodiment, the access is a tiered leveled access having at least a program manager access and a program user access. The program manager access  
25 can include a plurality of selectable actions such as, for example and not limited hereby, adding users, modifying existing user data, transferring active cases from one user to another, activating users, modifying account registration data, browsing all  
30 disputes, generating detailed dispute reports, generating summary reports of disputes, browsing dispute resolution cases, as well as other actions which are used by a manager of non-judicial dispute resolutions, and any combination of one or more of  
35 20 the foregoing. The management module can provide relevant data to a program manager in response to an appropriate signal selected by the program manager.

In the case of program user access, a plurality of selectable options can be made available such as, e.g., adding a dispute, responding to a dispute, browsing  
40 disputes, generating dispute reports, generating summary reports, as well as any other options required by a case manager of a dispute and any combinations of one or more  
25 of such options. Other options can be included and the possibilities are not limited by those set forth above. The management module provides relevant data to the program  
45 user in response to the options selected by the user.



5 A further aspect of the present architecture is an administrative personnel  
access which enables required administrative personnel to select from one of a  
plurality of selectable choices. Such choices can include, but is not limited to,  
10 informing the parties of disputes submitted to the system which request their  
5 response, informing users of settled disputes, marking disputes active, generating  
prior dispute lists, generating activity reports for the system, providing billing  
information, generating summary reports for any or all accounts within the system,  
15 generating audit reports to ensure that the system is functioning properly, and any  
other choices required of an administrative personnel, and any combination of the  
10 foregoing. The management module provides relevant data to the administrative  
personnel in response to one or more of the choices selected by such personnel.  
20

The management module of the present invention can also provide operational  
support to be used in connection the non judicial proceeding(s). For example, the  
25 system can provide reporting services in the event the proceedings require such  
15 services, e.g., in the event mediation or arbitration proceedings requiring a "record"  
are used. The reporting services can be called upon for both on-line and off-line  
proceedings, and can include stenographic services, and all types of electronic  
30 reporting services such as audio, video, etc.

Another operational support available in the present invention is translation  
20 services and/or interpretation services. This support can also be rendered on-line or  
35 off-line, and can be made available for all types of non-judicial proceedings and  
possible in the present system.

Yet another operational support provided in the management module of the  
40 present invention is a vast array of structure settlement arrangements. For example,  
25 and are not limited hereby, a settlement arrangement can be structured for a pay out  
over time and/or fully funded by a third party (e.g., lending institution, factor, etc.).  
Moreover, the structured settlement feature of the invention can be made available at  
45 any time before, during, and/or after the non-judicial resolution proceeding(s).

5           The architecture also provides to the user a "settle-only" access. "Settle-only"  
access enables a party to a dispute to access the system for purposes of only  
attempting to resolve that dispute via the system and does not allow access to the  
10           management capabilities of the system. However, all data input by a "settle-only"  
5           user is routed through the management module for proper storage of data. Therefore,  
in response to settle-only access by a user, the management module provides relevant  
data to the reckoning module. Moreover, the system displays only the relevant data to  
15           a settle-only access user.

          The architecture of the present invention further includes a claims-data storage  
10           and retrieval system which retains data relating to non-judicial dispute resolution and  
enables retrieval of data by category. The categories in the retrieval system include,  
20           but are not limited to, description of the nature of the dispute, settlement amount,  
venue, type of injury, body part injured, sex, age, occupation, geographical data, and  
25           any combination of one or more of the foregoing categories, and any other  
15           information capable of being stored in a data bank in an electronic system, e.g.,  
computer system. Preferably the storage and retrieval system data is confidential.

          Once the mode of non-judicial dispute resolution is selected, the management  
30           module provides relevant data to the reckoning module in response to the selection by  
one or both of the parties. When the resolution procedure is a bid-style negotiation,  
20           one or both of the parties can select either a "blind bid" or an "open bid" type of  
35           negotiation.

          A profile prompter prompts a party selecting a dispute resolution procedure to  
indicate whether or not it is a plaintiff and/or defendant. The responding party also  
40           provides information in response to a prompt indicating the profile of the responding  
25           party. Depending on who the party is, i.e., plaintiff or defendant, the party then  
provides either a demand (as a plaintiff) or an offer (as a defendant).

          "Demands" and "offers" and "bids" as used herein can include any matter  
45           which can be construed as "consideration" sufficient to support a promise or a  
contract. Consideration is something of value, e.g., an advantage, however slight, to  
50

5 one party, or an inconvenience, even though trifling, to one party. Consideration  
(considered as a proffer synonymously herein with "bid," demand," and "offer") can  
be, but is not limited to, monetary and non-monetary assets, ownership rights,  
10 personal rights, custody rights, liability and percentages thereof, etc.

5 Furthermore, the reckoning module preferably provides a pre-selected criteria  
for comparing the demand and the offer to determine whether or not the dispute can  
be resolved. If the pre-selected criteria is satisfied, the system can send a notification  
15 to the plaintiff and/or defendant of resolution.

Of the pre-selected criteria, the system can resolve the dispute for the value of  
20 the demand if the value of the demand is less than or equal to the offer, or, for the  
average between the demand and the offer if the demand is within a pre-selected  
percentage of the offer. For example, a pre-selected percentage range can be from  
about 5% to about 35%.

25 The system can also ask that the defendant provide a high value and low value  
15 to establish a resolution range. In this case, the dispute can be resolved for the value  
of the demand if the demand is between the high value and the low value of the range,  
or, for the low value of the resolution range if the demand is equal to or less than the  
30 low value. In this case, the low value can be a fixed value whereas the high value can  
be a changing value.

35 20 Other non-judicial dispute resolution procedures include on-line mediation and  
arbitration and off-line mediation and arbitration. On-line proceedings can be real  
time such that all parties and a mediator(s) or arbitrator(s) are in communication  
40 simultaneously. On-line proceedings are not limited to a real time scenario, and can  
be conducted via a format which permits delayed responses. Such formats can  
25 include, but are not limited to, chat room(s), bulletin board(s), etc. Off-line  
proceedings can be "in-person" and "not-in-person." In all of the aforementioned  
45 proceedings relevant material, such as evidence, can be transmitted electronically,  
again via wire and/or wireless communication (each party can also submit material

5 via mail, delivery service, courier, etc.). Moreover, all or even a portion of the  
proceedings can be conducted via video transmission.

10 As the resolution procedure progresses, the reckoning module transmits new  
dated generated to the management module for compiling, sorting and storing. When  
5 the non-judicial dispute resolution procedure is a mediation, the management module  
provides relevant data to a mediator in response to a mediation selection. The  
15 mediation can be real-time on-line mediation wherein information (evidence or  
otherwise ) can be transmitted to the mediator electronically, e.g., by fax, by phone,  
video, and by computer (e-mail) when available, etc. When the mediation is off-line,  
10 at least some of the necessary information can be transmitted on-line by the same  
20 modes set forth above.

25 Similarly, when the non-judicial dispute resolution procedure is an arbitration,  
the management module provides relevant data to an arbitrator, or a board of  
arbitrators, in response to the selection to arbitrate. When the arbitration is real-time  
15 on-line arbitration, information (which can include evidence) can be sent  
electronically by telephone, fax, video and via computer (e-mail) when available, etc.  
30 When the arbitration is off-line, at least some of the information can be sent on-line  
by electronic communications.

35 It should be fully noted, that the system provides the ability of the non-judicial  
20 dispute resolution in the present case to respond to an election by one or more of the  
parties to move to a different non-judicial dispute resolution procedure regardless of  
the one which is chosen first. The election to go to a different resolution procedure  
40 can be made, for example, because the first method chosen has not succeeded.

45 Thus, one or more of the parties can enter into a bid-style negotiation which  
25 may not succeed; advance to a mediated (on or off-line); and/or move to an on or off-  
line arbitration proceeding. This entire procedure can be conducted seamlessly, that is  
to say without re-entry of data previously provided. Moreover, by command of the  
parties, information relating to value of demands and bids can be kept confidential as  
50 the parties proceed from one resolution procedure to another. Consequently, a case

5 manager can take advantage of a full range of non-judicial dispute resolution techniques and have the ability to fully manage the case in each, and in all, of the different procedures selected.

10 While any fee structure can be provided for accessing and using the present invention, a preferred embodiment contemplates a fee structure which financially encourages each of the parties to resolve the dispute. One such structure requires each party to pay a certain amount to participate in the resolution proceeding(s).  
15 Thus, the plaintiff must pay a fee for submission of each demand and the defendant must pay a fee for submission of each offer. These fees can also be graduated to correspond to the financial magnitude of the dispute, e.g., a "dog bite" case to a  
20 serious injury or even a death case. A variety of schemes can be employed, but this feature of the invention financially rewards resolution and financially penalizes non-resolution by fee structure.

25 The present invention also includes separate aspects of the system which are unique to managing and conducting non-judicial dispute resolution, such as the system for managing the non-judicial dispute resolution separately (another aspect of it is the electronic architecture for managing non-judicial dispute resolution).  
30 Furthermore, the present invention includes the concept of maintaining an on-line real-time updated database for managing non-judicial dispute resolutions which includes the management module configured as described above, e.g., to receive, sort  
20 and store dispute resolution data and to provide internal continuous compilation of the data into searchable records. This management module can be updated in response to changes or additions to said compilation of data.

40 Other aspects of the present invention include, separately, a system for managing non-judicial dispute resolution which includes an electronic interface along with multiple types of access to an electronic architecture as described hereinabove.

45 The present invention also includes a method of managing non-judicial dispute resolution by providing and maintaining an electronic interface having multiple types of access to an electronic architecture as fully described hereinbefore.

5 Another aspect of the method of the present invention includes managing non-judicial disputes by providing an accessible architecture set forth above, receiving  
10 dispute resolution data from one or more of the parties, storing the data and prompting the parties to implement the full range of non-judicial dispute resolution procedures as  
5 also described hereinbefore.

15 The present invention also includes a method of managing non-judicial dispute resolutions by accessing an architecture having non-judicial dispute resolution data stored therein and retrieving data relating to the dispute, reviewing the stored data to  
20 determine if an action is needed, and selecting a plurality of selectable choices and action to be performed with respect to the data.

25 As a result of the present invention, disputants are able to call upon a full range of dispute resolution techniques without the necessity of engaging in the judicial process. Tremendous advantages are available as a result of this new innovation.

30 15 For example, parties no longer are required to avail themselves of the services of counsel. This advantage reduces significantly the cost associated with resolving disputes. Furthermore, in the event the parties do not retain attorneys, at least two additional personalities to the emotional and psychological mix of a dispute would be eliminated, thereby reducing the time usually associated with resolving a dispute.

35 20 Another advantage realized as a result of the present invention is that organizations charged with the duty of resolving disputes, e.g., insurance companies, claims departments, law firms, etc. are now able to manage and conduct non-judicial  
40 dispute resolution without the necessity of having to provide a complete on-site installation of a non-judicial case management infrastructure. Such infrastructure  
25 usually includes docketing systems, electronic (e.g., computer) tracking and reminder systems, etc. The present invention also reduces the need for personal communication  
45 between advocates which are required in the absence of such a non-judicial dispute resolution system.

5 Another advantage of the present invention is the ability to actively negotiate a high volume of cases in a short period of time. the present invention virtually eliminates the need to retrieve and review individual "hard copy" files of cases.

10 Thus, applicants have described what are believed to be some of the advantages of the present invention, but other advantages will be realized in view of the following detailed description and drawings provided hereto. The scope of the invention is set forth in the claims which follow the detailed description.

### **BRIEF DESCRIPTION OF THE DRAWINGS**

20 These and other features and advantages of the present invention will now be described with reference to the drawings of certain preferred embodiments, which are intended to illustrate and not to limit the invention, and in which:

25 Fig. 1 is a block diagram of the system of the present invention;

Fig. 2 is a block diagram of the architecture of the system of the present invention;

30 15 Fig. 3 is a flow chart of the steps for accessing the system of the present invention and various management options available to a user accessing the system; and

35 Fig. 4 is a flow chart of the process for adding a dispute, and the data related thereto, into the system of the present invention.

### **DETAILED DESCRIPTION**

40 The present system enables a party to avail itself of a complete system for managing and engaging in non-judicial dispute resolution. In a preferred embodiment, a party can even enhance its ability to successfully settle a dispute in a non-judicial setting by accessing dispute-settlement information made available by the present invention.

5 A party can access the inventive system by connecting with it electronically  
such as, for example, through a web site maintained on the internet. In order to  
initialize participation in system, biographical information is provided by the user  
10 (party) which the system identifies by category, verifies, when appropriate, records as  
5 part of its management function, and correlates, when appropriate, to a user code  
identifying such party. The system, in turn, issues identifying indicia, e.g., account  
number, user name, password, etc.

15 Although the purposes of description herein the English language is used at  
the interface for directions, instructions, prompts, results, etc., the present system is  
10 not limited by language and can be adapted to be in any language and/or dialect.  
20 Furthermore, the description herein relies on U.S. dollars in its examples, but the  
present invention is not constrained in scope to a single currency, and can be adapted  
for use with any currency.

25 When the party is an organization such as a company, a law firm,  
15 municipality, and individual, the system can, as a part of its management function,  
provide different levels of identification and use.

30 Thus, a party inputs data corresponding to a non-judicial dispute resolution,  
the system sorts, organizes and compiles the data, and enables the party to avail itself  
of a full range of non-judicial dispute resolution procedures. The system also allows  
35 20 users of the system to organize data corresponding to multiple disputes, manage that  
data into a form selected by the user, and generate reports based on the data from one  
or more disputes that have been input into the system to which they are a party. In a  
40 preferred embodiment, the present system allows parties to disputes to effectively and  
efficiently input, sort, organize and manage the data corresponding to disputes, and  
25 resolve disputes via the internet.

45 A dispute, as defined in the present invention, relates to a disagreement or  
other adversarial relationship between two or more parties. As referred to herein, the  
parties to a dispute are divided into two main classifications, a submitting party,  
which is the party who initiates the dispute, and the responding party, which is the  
50



5 party against whom the dispute is directed and is invited to participate in the non-judicial dispute resolution process. Either the submitting or responding party can be plaintiff or defendant.

10 In one management aspect of the present invention, the submitting party and  
5 the responding party access the system and manage all data records which are related to any and all disputes, whether settled or not settled, in which they are parties.

15 In an operational aspect of the present system, the submitting party and the responding party to a particular dispute can take part in a bid style negotiation by entering consideration into the system for the purpose of reaching a settlement of the  
20 dispute. If and when the bidding process does not resolve the dispute, the parties can continue without interruption to other non-judicial dispute resolution procedures, e.g., on or off-line mediation, arbitration, etc. Alternatively, a party can initiate the process using another technique and subsequently engage the bid-style, if desired. These and  
25 other aspects of the present invention will be described in greater detail below.

15 The present invention is hereinafter described for use as an internet web-based system. It will be evident to one skilled in the art that, given the following detailed  
30 description, that the present invention can be modified for use with any interconnected network which is linked together by a standard set of protocols (such as TCP/IP and HTTP) to form a distributed network. While this type of network is  
35 commonly referred to as the Internet, the present invention is contemplated for use with all variations which may be made to the internet in the future, including changes and additions to standard protocols.

40 Preferably, the present system is accessed by the user via a web browser, such as that described above, which is capable of communicating with the web site or  
25 home page which supports and provides access to the architecture of the present system. Typically, the web browser of the user is resident within a user terminal which has a CPU, monitor, keyboard and mouse. The user instructs the web browser  
45 to seek out and display the web site of the present system. When the web server is accessed, the web site for the present system is displayed.

5 Further, the system of the present invention can be accessed by providing a  
"hot link" embedded within the web site of another entity. With this arrangement, a  
10 user, who is actively viewing the web site of another entity, can easily select the "hot  
link" corresponding to the present system. A "hot link" as defined in the present  
15 invention can be an embedded URL code or other indication means which, with its  
selection, instructs the web browser of the user to seek out a specified web page(s)  
which interact with the present system. This "hot link" feature is especially useful  
20 when the web site of another entity is engaged in a business where disputes may  
occur, such as, for example, a web site which sells goods or services. The purchaser,  
10 vendor or web site entity itself may wish to provide access to the present system via a  
"hot link" as an avenue for submitting, organizing and managing the data related to  
25 the dispute, and for possibly conducting an on-line settlement of that dispute. The  
management capabilities of the present system with relation to organizing, sorting and  
compiling the data relating to disputes will be useful for web site entities in tracking  
15 and reporting the disputes that have arisen out of activities originating from their web  
site. The reporting and organizing of this data will enable the web sites to determine  
if problems exist with any one particular customer or vendor and their goods or  
30 services.

After the user accesses the web site and it is displayed, if the user is a new user  
20 to the system, they are directed to register with the system to obtain an account  
number, a username and a password. During the registration process, the user is  
35 requested to input relevant biographical information such as, name, address, phone  
number, e-mail, etc. Once the registration data has been submitted to the system, the  
system reviews the information and confirms the validity of the entered data. Review  
40 of the registration data can be effectuated by the system itself, by an additional  
dedicated physically distinct computer system, or by an actual system staff member.  
As will be appreciated by those skilled in the art, other forms of registration may be  
45 used, including but not limited to regular mail and electronic mail.

If an invalid registration is detected, for example, one which was entered  
30 solely out of curiosity, the registration may be deleted from the system so as to free-  
up system resources. Once the information submitted to the system is verified, the  
50

5 username and password are activated for that user and that user can then access the system.

10 If a user accessing the system already has a username and password, they can proceed to sign-in. A user attempting to sign-in to the system is prompted to enter a  
5 valid username and password. When a valid username and password are entered, the user is given access to the system's management and dispute resolution capabilities.

15 Referring now to the drawings, Fig. 1 shows one embodiment of the system of the present invention. The system, generally referred to as 1, is configured for access by one or more user terminals ( $UT_1, UT_2, UT_3 \dots UT_n$ ). The user terminals can be  
10 directly linked to the system, or, preferably are linked to the system via the Internet 2. Preferably, the present invention resides on a state of the art, high-performance computer server connected to the Internet via a high speed communications line.  
20 However, it is contemplated that the present system can be configured for access via other forms of electronic or wireless communication, such as, radio frequency,  
25 microwave, UHF and other frequencies selected from the electromagnetic spectrum.  
15

30 The system of the present invention includes an electronic, preferably a computer-based, architecture 3 for managing data relevant to non-judicial dispute resolution, for conducting non-judicial dispute resolution and/or for transmitting dispute resolution data for use in any of the non-judicial dispute resolution  
20 procedures. The architecture 3 allows the parties to a dispute to input the data relevant to the dispute, organize, compile and store the data, query the data, update the data with any additional data generated during a resolution procedure via the system,  
35 and generate detailed reports for any and all cases with which the party requesting the report is a party.  
40

### Management Module

As is seen with reference to Fig. 2, the architecture 3 of the present invention includes a management module 5 configured to receive, sort and retrievably store dispute resolution data and provide an internal continuous compilation of that data. In response to received data, the management module 5 identifies, sorts, compiles, organizes and stores the data in a queryable, retrievable and transmittable form. In response to received queries, the management module 5 retrieves, sorts and transmits the results of the query to the requestor of the data.

Additionally, the management module 5 is configured to transmit notices to each party to a dispute regarding a change in the status of the dispute, the input of additional data in relation to the dispute, the results of a query of the data contained within management module, or any other information relating to the dispute and/or for transmitting the dispute resolution data to the appropriate entity for mediation and/or arbitration.

The management module 5 is prompted to send the notices/information by an appropriate signal generated in response to receipt of a new dispute, new data for an existing dispute, a query, or a request for the transmission of the data for mediation and/or arbitration. The management module 5 preferably, and as shown in Fig. 2, communicates with the relevant parties to a dispute by sending an e-mail containing the relevant information. It is contemplated, however, that the management module may be configured to send the appropriate notices/information via channels other than, or in addition to e-mail, such as facsimile or regular mail.

For example, in context with the preferred embodiment of the present invention, a dispute is marked as INACTIVE by default upon entry into the system. If a dispute was submitted by a defendant the status of the dispute is set to OPEN by default, indicating that no demands have been placed on it by the plaintiff. If the dispute was submitted by a plaintiff, the status of the dispute is set to NO OFFER by default, indicating that no offers have been placed on it by the defendant.

5 Further, upon successful retrieval of the dispute, the dispute is marked  
ACTIVE and the status of the dispute is changed from NO OFFER to OPEN,  
indicating to the user that demands or offers may be entered on the dispute.

10 In an effort to provide users of the system with the most up-to-date and  
5 pertinent information, the status of the dispute may be changed to Contacted, Initial  
Offer, Initial Demand, New Offer, New Demand, Final Offer, or Final Demand, to  
name a few.

15 The system may also utilize secondary dispute status codes to provide users  
with a greater level of detailed information. The following secondary dispute status  
20 codes may be utilized: Letter Faxed, Left Message, Will Participate, Awaiting  
Approval, Manual Submit, No Internet, Negotiate Direct, Seeking Policy Limit, Prior  
Negotiation Failed, Going To Trial, Party Declined, Party Treating, Referred to  
25 Mediation, Referred to Arbitration, Limit Reached, Dispute Change, Settled By  
Parties, Settled by Mediation, Settled by Arbitration, or any other applicable  
15 identifying terminology. When a secondary dispute code is changed, the parties are  
notified.

30 The use of primary and secondary dispute status codes will allow the users of  
the system to more efficiently and effectively obtain detailed reporting information  
because they can sort the dispute data by both primary and secondary dispute status  
20 codes.

35 The management module of the present invention can also provide operational  
support 7 to be used in connection the non-judicial proceeding(s). For example, the  
40 system can provide reporting services in the event the proceedings require such  
services, e.g., in the event mediation or arbitration proceedings requiring a "record"  
25 are used. The reporting services can be called upon for both on-line and off-line  
proceedings, and can include stenographic services, and all types of electronic  
45 reporting services such as audio, video, etc.

50 Another operational support available in the present invention is translation  
services and/or interpretation services. This support can also be rendered on-line or

5 off-line, and can be made available for all types of non-judicial proceedings possible  
10 in the present system.

10 Yet another operational support provided in the management module of the  
present invention is a vast array of structure settlement arrangements. For example,  
5 and not limited hereby, a settlement arrangement can be structured for a pay out over  
time and/or fully funded by a third party (e.g., lending institution, factor, etc.).  
15 Moreover, the structured settlement feature of the invention can be made available at  
any time before, during, and/or after the non-judicial resolution proceeding(s).

20 To enable the desired operational support, the user selects the appropriate  
10 support needed when accessing the system's management module.

25 With the continuous compilation, organization and retrievable storage of data  
by the management module 5, a user can easily access the present system to manage  
all dispute related data, to facilitate an organized transmission of the data for  
mediation and/or arbitration, or to actually conduct non-judicial dispute resolution.

15 There are many types of access to the present system. Preferably, access to  
30 the system is a tiered level access comprising at least a program manager access and a  
program user access. The authority given to each type of access will be discussed in  
greater detail below.

35 It should be noted that the Program Managers and the Program Users access  
20 the system typically for the same account. Generally, the Program Managers are  
individuals at a company, law firm, municipality, etc. (which can be referred to, along  
40 with an individual, herein as an "account") who are responsible for maintaining the  
account with the present system, such as an office manager or information systems  
personnel. The Program Users are individuals within those companies, law firms,  
25 municipalities, etc., who have authority to settle the disputes, such as attorneys or  
45 insurance company representatives. Although this is generally the hierarchy within  
the system, this does not mean that any one individual can not be both a Program  
Manager and a Program User.

5                   Program Manager Access

10                   Program Managers manage the Program Users and have access to view and  
prepare reports for each separate dispute or all disputes submitted for their particular  
account.

15                   As seen in Fig. 3, when granted access to the system as a Program Manager,  
the system prompts the user to select from a plurality of selectable actions 24 from a  
Program Manager Page of the web site. Depending upon the authority given to the  
Program Manager, the information and selectable actions provided on the Program  
Manager Page will vary. These selectable actions may include, for example, add  
20                   10 additional users 26, modify the existing user data 27, transfer active cases from one  
user to another user 28, deactivate users 29, modify any account registration data 30,  
browse all disputes 31, generate detailed dispute reports for all disputes 32, generate  
summary reports 33, browse all dispute resolution cases 34, send the system an e-mail  
25                   35, and log-off the system 36, and any combination of these actions, or any additional  
15                   actions which may be provided.

30                   When an action is selected at 25, an appropriate signal is sent to the  
management module of the system. Upon receipt of the signal, the management  
module will search the dispute resolution data stored therein for the relevant  
information, gather that information, sort it into an appropriate form and transmit it to  
35                   20 the Program Manager. The relevant information retrieved by the management module  
will be dependent upon the signal sent by the Program Manager. In other words, each  
action chosen will be associated with a different query of the dispute resolution data  
stored within the management module and therefore, retrieve different amounts,  
40                   quantities and types of information.

45                   25                   In the preferred embodiment of the present system, and as shown in Fig. 3, the  
Program Manager Page offers the following selectable actions to a Program Manager:

5

*Adding Program Users*

10

Before any Program User may begin to enter disputes into the system, they must be given access to the system by the Program Manager. The Program Manager clicks on the "Add User" icon 26 on the Program Manager Page to access the Add User Form. The Add User Form prompts the Program Manager for the input of relevant Program User information such as name of the user, department, telephone number, e-mail address, etc.

15

20

After entering all relevant user information, the Program Manager clicks on the "Submit" icon in the Add User Form. After submitting the information, a confirmation screen appears indicating that the individual has been added to the system as a Program User and displays their user name and password. The password may be randomly generated by the system itself, or it may be selected by the Program Manager. This information is then provided to the Program User so that he or she may access the system.

25

15

*Modifying Program Users*

30

The Program Manager may update Program User data at any time. The Program Manager clicks on the "Modify User" icon 27 on the Program Manager Page to access a Program User List, sorted by User Last Name and User First Name. By clicking on any Program User listed, an Update User Form appears. Within this form, the Program Manager may update and change any and all data previously entered for a Program User. After the appropriate changes have been made, the Program Manager may save those changes by clicking on the "Submit" icon within the form. Thereafter, the Program Manager is notified that the changes have been saved.

35

40

*Transferring Active Disputes from one Program User to Another*

25

It may be necessary at some point to transfer active disputes from one Program User to another Program User. This may be because the Program User has been terminated or is no longer with the account, or that the Program User is no longer handling dispute activities. Active disputes are those disputes which are either

45

50

55



5 entered by or assigned to a Program User wherein the status does not indicate that the  
dispute has expired, settled or did not settle. A more detailed discussion of the status  
of a dispute will be provided below.

10 Transferring disputes from one Program User to another may also be used  
5 when a Program User has changed from one department to another within the  
company, or firm. When a person changes departments, they may be added to the  
15 system as a "new" Program User with all of their original data, except with a different  
listed department. All disputes may then be transferred from the "old" Program User  
to the "new" Program User, even though they are the same User. The "old" User may  
10 then be deactivated (discussed in greater detail below). This procedure allows for the  
movement of Program Users from one department to another while, at the same time,  
20 retaining historical data on the disputes assigned to the "old" User and department.

To transfer disputes, the Program Manager clicks on the "Transfer Cases" icon  
25 28 on the Program Manager Page to access the Transfer Disputes List. The Program  
15 Manager then clicks on the Program User from whom they wish to transfer a  
dispute(s). If there are no cases to transfer, a message will appear indicating such. If  
there are disputes which can be transferred, a Program User to Transfer Disputes To  
30 List appears. To avoid improper selection of a Program User to transfer disputes to,  
the identical Program User selected is not displayed on this list. The Program  
20 Manager then clicks on the applicable Program User to transfer the dispute.  
Thereafter, the Program Manager will be notified that the dispute(s) have been  
35 successfully transferred from one Program User to another.

#### *Deactivating Program Users*

40 The Program Manager may deactivate a Program User at any time. For  
25 example, a Program User who has no active disputes may be deactivated. To  
deactivate a Program User, the Program Manager clicks on the "Deactivate User"  
45 icon 29 on the Program Manager Page to access the Deactivate User List. From this  
list, the Program Manager clicks on the Program User they wish to deactivate. If the  
Program User selected still has an active dispute a message will appear indicating

5 such, and no action will be allowed to be taken. If the Program User has no active  
disputes within the system, a message will be shown to the Program Manager  
10 indicating that the Program User has been deactivated.

10 *Modifying Account Registration Data*

5 The Program Manager may, at any time, update the account registration data.  
This may be necessary if address, telephone, fax number, Program Manager, billing  
15 contacts, etc., have changed. The Program Manager clicks on the "Account Data"  
icon 30 on the Program Manager Page to access the Update Registration Form. After  
the appropriate changes are made, they are saved by clicking on the "Submit" icon  
20 within the form. Thereafter, a message will appear indicating that the changes have  
been saved.

25 *Browsing Account Disputes*

25 This feature allows the Program Manager to browse and sort all disputes that  
have been submitted to the system by all Program Users within an account. To  
15 browse the account data, the Program Manager clicks on the "Browse Disputes" icon  
31 on the Program Manager Page to access the Browse Disputes List. Preferably, the  
30 Browse Disputes List is displayed to the Program Manager as sorted by Dispute  
Status. The system, however, can be configured to have the list sorted by any desired  
criteria.

35 To display the dispute list by another category, the Program Manager can  
20 simply click on the "Sort By" icon. Thereafter, the list can be sorted by any category  
available, such as dispute, caption, status, claimant, defendant, etc. Additionally, the  
40 Program Manager can sort the list by multiple categories simultaneously, if desired.  
After choosing the sort order, the list will be sorted and displayed accordingly.

45 Additionally, the Program Manager may also click on the "Find Dispute" icon  
to find a particular dispute. Thereafter, a Find Dispute Form will appear. The  
Program Manager then inputs characters in any or all of the fields in the Find Dispute  
Form so that the system can locate the dispute. The fields displayed for searching are,  
50

5 for example, dispute, caption, claimant, defendant, etc. By clicking on the "Submit"  
icon within the form, the system is prompted to search for any matching disputes and  
display only those disputes which match the entered characters.

10 Further, at any time the Browse Dispute List is displayed, detailed data on any  
5 particular dispute may be displayed by clicking on that particular dispute.

#### *Generating Detailed Account Reports*

15 Program Managers can also create a viewable and printable detailed account  
report on all disputes submitted by all users within the account. Clicking on the  
"Reports" icon 32 causes the Report Form to be displayed. By selecting various  
20 criteria and sort orders, virtually any variation of a report may be generated.

25 The criteria used to generate the account reports may include, in a bodily  
injury dispute for example, the following: all departments / one particular  
department, all Program Users / one particular Program User, all opposing parties /  
one particular opposing party, all dispute types / one particular dispute type, all  
15 venues / one particular venue, all injury types / one particular injury type, all primary  
body parts injured / one particular primary body part injured, all disputes / only active  
30 disputes, etc. For other types of disputes, other relevant criteria may be used to  
generate account reports.

35 Further, the sort order may be arranged in any desired manner, such as, for  
20 example, department / Program User / dispute; Program User / dispute; department /  
Program User / status; Program User / status; department / Program User / dispute  
type; Program User / dispute type; opposing party / claim; and opposing party / status.  
40 The system, however, enables the requested information to be arranged and displayed  
in any desired order. After the Report is generated, the Program Manager can print  
25 the Report.

### *Generating Summary Account Case Reports*

Program Managers may further elect to create viewable and printable summary reports on all cases submitted by all users within the account. Clicking on the "Summaries" icon 33 causes the Summary Report Menu to be displayed.

The Program Manager may elect to view summary statistics sorted, subtotaled and totaled by any of the following qualifying criteria including, but not limited to: user within department, user, dispute type, primary injury, primary body part injured, venue, opposing party, or any other qualifying criteria within the system. The Program Manager may also elect to view summary statistics based on any combination of the following quantifying criteria including, but not limited to: number of disputes, number of disputes activated, number of disputes engaged, number of disputes settled, percentage of disputes settled, total monetary value of disputes settled, average monetary value of disputes settled, or any other quantifying criteria within the system.

### *Browsing All Dispute Resolution Cases*

As stated above, dispute resolution data can be entered into the system, organized, sorted, compiled and transmitted to the appropriate personnel for use in mediation and/or arbitration proceedings.

To browse the mediation and arbitration cases, the Program Manager clicks on the "All Cases" icon 34 on the Program Manager Page to access the All Cases List. By default, the list is sorted by Case Status. The sorting criteria, however, may be changed to provide a display customized to the Program Manager's particular needs.

Similar to the browsing of account disputes, the Program Manager clicks on the "Sort By" icon to sort the list. Thereafter, the system displays the information requested in the sort order requested. Further, the Program Manager can sort the list by multiple categories simultaneously, if desired. After choosing the sort order, the list will be sorted and displayed accordingly.

5                    Additionally, the Program Manager may also click on the "Find Case" icon to  
find a particular case. Thereafter, a Find Case Form will appear. The Program  
Manager then inputs characters in any or all of the fields in the Find Case Form so  
10                    that the system can locate any mediation or arbitration cases which match the input  
5                    characters. The fields displayed for searching are, for example, case type, caption,  
claimant, defendant, etc. By clicking on the "Submit" icon within the form, a signal  
is sent to the management module instructing it to retrieve any matching mediation or  
15                    arbitration cases and transmit those cases to the Program Manager.

                    Further, at any time the All Case List is displayed, detailed data on any  
10                    particular case may be displayed by clicking on that particular case.

20                    *Analyzing Hearing Officers for Mediation(s) and/or Arbitration(s)*

                    The Program Manager may select to analyze settlement data for all mediation  
25                    and/or arbitration cases for a particular Hearing Officer. The data analyzed may  
include settlement amounts, award data, case status, case type, etc. This will allow  
15                    program managers to analyze the performance of particular Hearing Officers with  
respect to particular case types, or any other information available.

30                    *Sending an E-Mail*

                    The Program Manager may click on the E-Mail icon 35 from the Program  
35                    Manager Page at any time to send an E-Mail to the system administrative department.  
20                    When the E-Mail icon is selected, the system will automatically set the "Send To"  
field in users E-Mail program to the assigned e-mail address for the system  
administrative department.

40                    *Logging Off*

                    The Program Manager may also choose to "Log Off" the system from the  
45                    25 Program Manager Page. To do this, the Program Manager simply clicks on the Log  
Off icon 36.

5 Preferably, the present system is designed to automatically log off any  
Program Manager who has not clicked the mouse or pressed any key on the keyboard  
for a pre-set period of time, e.g., 30 minutes. This automatic log off is setup in order  
10 to free resources to other Program Managers (or Program Users) who may be actively  
5 using the system. When automatically logged-off, a Program Manager simply needs  
to log-in again in order to continue working with the system.

15 *Program Manager as Program User*

Additionally, and as shown in Fig. 3, the Program Manager may be provided  
with access to the system as a Program User 37. When given such authorization, the  
20 Program Manager may access the Program User Page and all actions 38 given to a  
10 Program User. Use of the system as a Program User is described in detail below.

Program User Access

25 Those persons who are given access to the system as a Program User are  
typically the persons who submit disputes and the data related thereto into the system.  
15 However, and as stated above, a Program Manager may also be given access to the  
30 system as a Program User.

Program Users are provided with access codes comprising a user name and a  
password. Once provided, a Program User can then log-on to the system. As seen in  
35 Fig. 3, when granted access to the system as a Program User, the user is presented  
20 with various selectable options 38 from a Program User Page of the web site.  
Depending upon the authority given to the Program User, the information and  
selectable options provided on the Program User Page will vary. These selectable  
40 options may include, for example, add a dispute 40, respond to a dispute 41, browse  
disputes 42, generate summary reports 43, generate dispute reports 44, send the  
25 system an E-Mail 45, log off 46, or any other options with which the Program User  
45 may be allowed to utilize.

When an option is selected at 39, an appropriate message is sent to the  
management module of the system. Upon receipt of the message, the management  
50

5 module will search the dispute resolution data stored therein for the relevant  
information, gather that information, sort it into an appropriate form and transmit the  
same to the Program User. The relevant information retrieved by the management  
10 module will be dependant upon the message sent to it by the Program User. In other  
5 words, each option chosen will be associated with a different query of the dispute  
resolution data stored within the management module and therefore, retrieve different  
amounts, quantities and types of information.

15 In the preferred embodiment of the present system as shown in Fig. 3, the  
Program User Page offers the following selectable options to a Program User.

20 10 *Add and Negotiate a Dispute*

Adding (or submitting) disputes to the system is the primary activity for a  
Program User. Program Users begin the process of adding a dispute by clicking on  
25 the Add Dispute icon 40 from the Program User Page.

As shown in Fig. 4, after a Program User selects to add a dispute 40, they are  
15 then prompted to select a profile classification 58 as either a plaintiff or a defendant.

30 After selecting the appropriate profile, the user is then prompted to select at  
60, from a displayed general list 59, the nature of the dispute. The general nature of  
the dispute can be a general dispute, a bad loan, a business transaction, construction,  
35 contract, credit card, foreclosure, labor and employment, landlord / tenant, lender  
20 liability, partnership agreement, personal injury, professional liability, purchase and  
sale transaction, rental agreement, intellectual property, subrogation, worker  
40 compensation, or any other cause of action recognized by a judicial system, whether  
in the United States or abroad.

Thereafter the Program User is prompted by the system to select an Opposing  
25 Party at 61 from a list generated from the data stored in the management module, or a  
45 new Opposing Party whose data is not yet entered into the system.

Opposing Parties are those individuals, firms or companies who have accounts  
50 with the system or who have been users of the system. The present system is

5 designed such that every time a Program User within a particular account adds a new  
dispute to the system, data on both the Opposing Party and an individual person  
representing that Opposing Party is retained within the management module of the  
10 system. This retaining of information is done for a number of reasons.

5 First, if an additional dispute is added to the system for that Opposing Party,  
the data corresponding to that party or individual will not need to be re-entered, but  
rather simply selected. This process of retaining the data will save the user time in  
15 entering disputes into the system. Further, the retained data is made globally  
available to all users of the account when entering a new dispute.

20 10 In addition, by selecting companies and firms as well as individuals within  
those companies and firms from a list, reports may be generated based on those  
Opposing Parties. This is particularly advantageous in determining which Opposing  
Parties respond to dispute submissions and the analysis of disputes settled with those  
25 Opposing Parties.

15 Next, the Program User is prompted at 62 to enter additional dispute  
information such as name of case and reference numbers, etc. The type of dispute  
30 information requested will depend upon the dispute type selected. For example, if the  
general nature of the dispute is personal injury, then additional information requested  
would be information such as injury type, venue, primary body parts injured, etc.

35 20 Additionally, for certain types of disputes, computer generated assist displays  
will be provided. For example, if the general nature of the dispute chosen was  
personal injury as stated above, then a body parts injured display can be selected by  
40 clicking on an icon. This display will assist the users in identifying the body parts  
injured by displaying a human skeleton from which they may select any number of  
25 body parts involved in the dispute.

45 Next, if the Program User wishes to utilize the dispute resolution capabilities  
of the present system, they can begin that procedure by selecting to settle via the  
system at 63, as shown in Fig. 4. The procedure for settling a dispute via the system  
50



5 will be described in greater detail below with reference to the reckoning module directions.

10 When selecting to utilize the resolution capabilities of the system, the user is prompted at 66 to enter an initial demand if profiled as a plaintiff, or an initial offer if  
5 profiled as a defendant.

15 Next, the system can display at 67, additional system options which can be selected or entered at 68 by the party submitting the dispute. The additional system options which may be selected by the submitted party will be described in greater detail throughout the present specification.

20 10 Otherwise, if the Program User submitting the dispute wishes to use the management capabilities of the system to organize the dispute data and submit the same for mediation and/or arbitration, they can simply submit the above-entered  
25 information to the management module at 64 for sorting, compiling, organization, storing and notification 65 to the opposing party and appropriate mediation or  
15 arbitration personnel.

30 Whether the Program User submitting the dispute chooses to negotiate the dispute via the system or transmit the entered data for mediation and/or arbitration, after all relevant data corresponding to the dispute is entered, the Program User then submits the data to the management module at 64 for identification, sorting,  
35 20 organizing and storing by clicking on the Submit icon. Before the dispute resolution data is finally submitted, however, the Program User submitting the dispute (whether profiled as a plaintiff or a defendant) is preferably prompted to review all the entered data before it is finally submitted to the management module. By presenting the  
40 Program User with this secondary review, the Program User has the opportunity to  
25 review the accuracy of the entered data and make any changes which may be required. If all of the information is correct, the Program User then clicks on the  
45 Submit icon to finally send the data to the management module of the system. The Program User will then receive an indication that the dispute has been properly saved.

5                   Once a dispute is entered into the system, several actions begin. As seen in  
Fig. 4, a notice is sent to the opposing party at 65 indicating that a dispute soliciting  
10                   their response has been entered into the system. The opposing party is contacted by  
letter, e-mail or any other means available. The opposing party is provided with a  
5                   user code and dispute code so that they may access the system via the web site.  
Unless the opposing party responds, additional follow-up notices may be sent.

15                   Optionally, the Program User submitting the dispute into the system may also  
mark the dispute as a priority. This option invokes additional notification services  
from the system. The system will normally inform the opposing party of a submitted  
20                   dispute via regular mail. If a dispute is marked as a priority, administrative personnel  
for the system will attempt to contact the opposing party directly, in addition to the  
mailed notice, in order to actively persuade them to activate and engage the dispute.

25                   Additionally, the party submitting the dispute may set the time limit the  
opposing party has to respond. When a party enters a dispute into the system they can  
15                   specify the maximum number of days the dispute may be negotiated before the  
negotiation process is automatically terminated. If the expiration date of the dispute is  
30                   set to 60 days from the date of entry, the dispute status will be changed to expired if  
there is no response from the opposing party within 60 days.

#### *Responding to a Dispute*

35                   20                   After the opposing party receives notification that a dispute has been entered  
into the system, they can respond to the submitted dispute in several ways. Before  
responding, however, the opposing party must have their access code and dispute  
40                   code. Without these, the opposing party cannot access the system. The opposing  
party, with access and dispute code in hand, uses the web browser of their computer  
25                   to locate and retrieve the web site for the present system as described above. After  
accessing the web site, the responding party is prompted to either utilize the settle-  
45                   only access (if not already a Program Manager/User of the present system), register a  
new account with the system and establish themselves as a Program Manager/User, or  
indicate that they are not interested in utilizing the present system to conduct  
50

5 negotiations of any kind. Each of the aspects to these options will be discussed in greater detail below.

10 Upon entry of a valid access code and a dispute code, the management module will send all dispute resolution data corresponding to these input codes to the  
5 reckoning module for application of the pre-selected criteria. The process of applying the pre-selected criteria will be discussed in greater detail with respect to the  
15 reckoning module below.

20 Further, the responding party (whether plaintiff or defendant) may not agree to utilize the present system to resolve the dispute. If the responding party so desires,  
10 they may click on the "Not Interested" icon. If the responding party is not interested, the present system will notify the submitting party via e-mail that the responding party is not interested in negotiating via the system.

25 Once all parties agree to resolve the dispute via the present system, each may access the dispute at any time to either enter a new demand or offer, or simply to see  
15 if your adversary has entered a new demand or offer. Before the demand/offer is submitted to the reckoning module, however, the responding party will be prompted  
30 by the system for a final review of the dispute data and demand/offer amount to ensure accuracy. If the data is accurate, the responding party then finally submits the demand/offer. The system will then determine if the dispute is resolved or not  
35 20 resolved based upon the pre-selected criteria within the reckoning module.

40 The system is designed such that either party does not need to wait until their adversary enters a new demand or offer in order for them to enter additional demands or offers, they can enter as many demands or offers as they deem appropriate.

#### *Forwarding Data for Mediation and/or Arbitration*

45 25 In addition to, or instead of, utilizing the present system to resolve a dispute via the criteria within the reckoning module, the parties may choose to have the dispute forwarded for mediation or arbitration. If this route is chosen, all information  
50

5 entered into the system will be forwarded to the appropriate personnel by the  
management module for mediation or arbitration.

10 If the parties mutually agree to allow their dispute to be decided by mediation  
or arbitration, all parties would then have an opportunity to submit arguments,  
5 information and proof, to a mediator or arbitrator. In accordance with the present  
invention, such information is preferably submitted to the mediator or arbitrator via a  
15 network communication channel, such as wireless communication, the Internet or any  
suitable equivalent thereof. The mediator or arbitrator would then review the  
respective positions and issue a decision to both parties.

20 10 Further, the mediation and/or arbitration can be a real-time on-line mediation  
or arbitration, or can be an off-line mediation or arbitration. Preferably, the parties  
submit arguments, information, proof, and any other evidence to be considered by the  
mediator or arbitrator via the Internet. The parties may also include offers and  
25 demands with the dispute information submitted.

15 15 When this process is done in real time, the mediator or arbitrator can request  
additional information or explanation from a party, should such further information or  
30 explanation be required.

35 20 A full discussion of all the mediation and arbitration variations is beyond the  
scope of this application and need not be discussed in detail herein. Important to the  
present invention is the ability to access the non-judicial "management and procedure"  
and to move uninterrupted, i.e., seamlessly, from one technique to another using the  
40 information previously provided while making a full range of procedures available to  
the users.

#### *Browsing Program User Disputes*

45 25 Similar to the Program Managers, Program Users, in addition to adding and  
negotiating a dispute as described above, may also manage the data entered for a  
dispute and the new data generated during the dispute process. This feature allows  
the Program User to browse and sort all disputes that they have submitted or that they  
50

5 are a party. To browse the data, the Program User clicks on the "Browse Disputes"  
icon 42 on the Program User Page to access the Browse Disputes List. Preferably, the  
Browse Disputes List is displayed to the Program User as sorted by Dispute Status.  
10 The system, however, can be configured to have the list sorted by any desired criteria.

5 To display the dispute list by another category, the Program User can simply  
click on the Sort By icon. Thereafter, the list can be sorted by any category available,  
such as dispute, caption, status, claimant, defendant, etc. Additionally, the Program  
15 User can sort the list by multiple categories simultaneously, if desired. After  
choosing the sort order, the list will be sorted and displayed accordingly.

10 Additionally, the Program User may also click on the "Find Dispute" icon to  
find a particular dispute. Thereafter, a Find Dispute Form will appear. The Program  
User then inputs characters in any or all of the fields in the Find Dispute Form so that  
the system can locate the dispute. The fields displayed for searching are, for example,  
25 dispute, caption, claimant, defendant, etc. By clicking on the "Submit" icon within  
15 the form, the system is prompted to search for any matching disputes and display only  
those disputes which match the entered characters.

30 Further, at any time the Browse Dispute List is displayed, detailed data on any  
particular dispute may be displayed by clicking on that particular dispute.

#### *Generating Detailed Dispute Reports*

35 20 Program Users can also create a viewable and printable detailed dispute report  
on all disputes that they have entered or that they are a party. Clicking on the  
"Reports" icon 44 causes the Report Form to be displayed. By selecting various  
40 criteria and sort orders, virtually any variation of a report may be generated.

25 The criteria used to generate the dispute reports may include, but is not limited  
to, the following: all opposing parties / one particular opposing party, all dispute types  
45 / one particular dispute type, all venues / one particular venue, all injury types / one  
particular injury type, all primary body parts injured / one particular primary body  
part injured, all disputes / only active disputes, etc.

5 Further, the sort order may be arranged in any desired manner, such as, for  
example, claim; status; dispute type; opposing party / claim; opposing party / status;  
and opposing party / dispute type. The system, however, enables the requested  
10 information to be arranged in any desired order. After the Report is generated, the  
5 Program User can print the Report.

#### *Generating Summary Dispute Reports*

15 Program Users may further elect to create viewable and printable summary  
reports on all disputes which they have submitted or in which they are a party.  
Clicking on the Summaries icon 43 causes the Summary Report Menu to be  
10 displayed.

20 The Program User may elect to view summary statistics sorted, subtotaled and  
totaled by any of the following qualifying criteria, including, but not limited to:  
dispute type, primary injury, primary body part injured, venue, opposing party, or any  
25 other qualifying criteria within the system. The Program User may also elect to view  
15 summary statistics based on any combination of the following quantifying criteria,  
including but not limited to: number of disputes, number of disputes activated,  
30 number of disputes engaged, number of disputes settled, percentage of disputes  
settled, total monetary value of disputes settled, average monetary value of disputes  
settled, or any other quantifying criteria within the system.

#### *Analyzing Hearing Officers for Mediation(s) and/or Arbitration(s)*

35 20 The Program User may select to analyze settlement data for all mediation  
and/or arbitration cases for a particular Hearing Officer. The data analyzed may  
40 include settlement amounts, award data, case status, case type, etc. This will allow  
program users to analyze the performance of particular Hearing Officers with respect  
25 to particular case types.

#### *Sending an E-Mail*

45 The Program User may click on the E-Mail icon 45 from the Program User  
Page at any time to send an E-Mail to the system administrative department. When  
50

5 the E-Mail icon is selected, the system will automatically set the "Send To" field in  
users E-Mail program to the assigned e-mail address for the system administrative  
department.

10 *Logging Off*

5 The Program User may also choose to "Log Off" the system from the Program  
User Page. To do this, the Program User simply clicks on the Log Off icon 46.

15 Preferably, the present system is designed to automatically log off any  
Program User who has not clicked the mouse or pressed any key on the keyboard for  
a pre-set period of time, most preferably 30 minutes. This automatic log off is set-up  
20 10 in order to free resources to other Program Users (or Program Managers) who may be  
actively using the system. When automatically logged-off, all Program Users simply  
need to log-in again in order to continue working with the system.

25 Administrative Access

Due to the nature of the present system, there is an Administrative Personnel  
15 Access Function. When granted access as an administrative personnel, the user is  
presented with a plurality of selectable choices 47. Administrative Personnel Access  
30 and the selectable choices are shown in Fig. 3, and include informing opposing parties  
of disputes submitted to the system which request their response 52, informing parties  
of settled disputes 53, generate activity reports 49, generating priority dispute lists 54,  
35 20 marking disputes active 51, providing billing information to the system billing  
department 55, generating Account Summary Reports 50 and generating Audit  
Reports 56 to ensure that the system is functioning properly, or any combination of  
40 these choices.

These functions are performed by system personnel by logging onto a web site  
25 designated to allow performance of the systems administrative functions. Once  
properly logged on, these choices appear.

Where appropriate, administrative personnel can select to view the records  
within a specified data range. When selecting Activity Report 49, for example, a Date  
50

5 Range Form appears. After entering valid Date Range values, and clicking on the  
Submit icon within the screen, a Report will be generated to the screen listing, on  
10 separate pages, a list of new disputes submitted within the date range with all data  
5 necessary to inform opposing parties of those disputes, a list of all disputes settled  
within the date range with all data necessary to inform parties of those disputes  
settled, a list of new disputes submitted which are marked as priority within the date  
15 range with all data necessary to inform opposing parties of those disputes on a  
prioritized basis, a list of disputes to be forwarded for mediation or arbitration that  
have either not settled or expired within the date range which were marked for  
10 forwarding for mediation or arbitration, and a list of amounts to be billed, along with  
all information on parties to be billed for disputes that have either settled, did not  
20 settle, or expired within the date range.

25 When selecting Summary Statistics 50, for example, the Date Range Form  
also appears. After entering valid date range values, and clicking on the Submit icon  
15 within the screen, a report will be generated to the screen listing, on separate pages,  
summary reports indicating settlement statistics for all accounts & disputes.

30 Typically, the dispute details will be absent from the summary reports because  
this report is used mainly for ensuring that disputes are settled properly from a  
technical perspective.

35 20 When selecting Activate Dispute 51, an Activate Dispute Form appears. After  
entering a valid dispute identification and clicking on the Submit icon within the  
screen, an Activate Dispute Confirmation Screen will appear. Upon clicking the  
40 Submit icon within the Form, the dispute will then be marked ACTIVE in the system  
and, if applicable, the expiration date of the dispute will be set to 60 days from the  
25 activation date.

#### Settle Only Access

45 If the opposing party is not registered and only wishes to settle the dispute  
with the present system, they simply enter both the access and dispute codes for the  
particular dispute they wish to negotiate and select "settle-only" access.  
50



5 As can be seen in Fig. 3, upon entry of a valid access code, dispute code and  
selection of "settle-only" access, the responding party will be given access to the  
system for purposes of settlement only and will not be given access to the  
10 management capabilities of the system. All information input by the responding  
5 party, however, will be routed through the management module for organizing,  
sorting, compiling and storing for use by the submitting party, and possible use by the  
responding party should they decide to register with the system at a later date.

15 Thereafter, the management module will send all dispute resolution data  
corresponding to the input access and dispute codes to the reckoning module. Since a  
10 responding party choosing to utilize the settle-only access will not be given access to  
any of the management module capabilities, the system will display only the relevant  
20 dispute resolution data to the settle only access user. This display will notify the settle  
only access user of the present status of the dispute, any recent activity, etc. For  
example, if the dispute has already expired or has been settled or did not settle, the  
25 settle only access user will be notified of the same by the system. Additionally, the  
15 system will list any dates and amounts of demands/offers entered for the dispute, if  
any, and the settlement date and amount in the event the dispute was resolved. If the  
30 dispute has been resolved or has expired, no further demands/offers will be allowed to  
be placed.

20 As opposed to merely attempting to settle the dispute via the system, a settle  
only access user responding to a submitted dispute may choose to register a new  
35 account with the present system. The various benefits of registering an account are  
that the responding party will be given the ability to perform detailed and summary  
reporting, the ability to manage multiple disputes from a single account without  
40 having to enter an access code and dispute code for each separate dispute (aside from  
25 the initial retrieval of a newly entered dispute to which they received notification),  
and the ability to actually submit disputes onto the system.

45 As stated above, all information and data entered into and generated by the  
reckoning module by a settle only access user is transmitted to the management  
30 module for identification, sorting, compiling and storage.

### Reckoning Module

Returning to Fig. 2., and as stated above, the architecture 3 of the present system also includes a reckoning module 6 connected to the management module 5 for receipt of the non-judicial dispute resolution data in response to a request for implementing a dispute resolution procedure via the system. The reckoning module 6 utilizes pre-selected criteria and applies that criteria to the input dispute resolution data to effectuate a resolution of the dispute, and thereafter transmits any new data generated during the resolution procedure to the management module 5 for sorting, compiling, and retrievable storage with related data stored therein.

In response to the input of a valid access code and dispute code, the management module sends all dispute resolution data corresponding to the input access and dispute codes to the reckoning module. The system will display all relevant information regarding the dispute to the parties. For example, the display will notify the parties of the present status of the dispute, any recent activity, etc. For example, if the dispute has already expired or has been settled or did not settle, the parties will be notified of the same by the system. Additionally, the system will list any dates and amounts of demands/offers entered for the dispute, if any, and the settlement date and amount in the event the dispute was resolved. If the dispute has been resolved or has expired, no further demands/offers will be allowed to be placed.

If the dispute has not yet been resolved or has not expired, the parties will be prompted to place a demand/offer (depending upon their profile as either a plaintiff or a defendant). If no previous demand/offer had been placed on the dispute, the parties will be asked to enter their initial demand/offer. If an initial demand/offer has already been placed for the dispute, the parties will be prompted to enter a subsequent demand/offer. This process will continue until the dispute is resolved according to the pre-selected criteria within the reckoning module or the time limit for resolving the dispute expires.

Once a demand and an offer (depending upon whether the responding party is a plaintiff or a defendant) has been entered for a submitted dispute, the system then applies the pre-selected criteria within the reckoning module.

5 Further, each time a party enters a demand or offer into the system, the status  
of the dispute will be changed accordingly. The system employs a method for  
notifying the user of the status of the dispute by organizing the disputes entered into  
10 the system into certain color-coded categories. For example, those disputes  
5 highlighted in yellow indicate that the user was the last person to enter a demand or  
offer and that the dispute will expire within ten (10) days if not settlement is reached;  
disputes listed in red indicate that the opposing party was the last party to enter a  
15 demand or offer into the system and that the dispute expires within ten (10) days if no  
settlement is reached; and disputes listed in blue indicate to the user that the opposing  
10 party was the last party to enter a demand or offer into the system, but that the dispute  
will not expire within ten (10) days.

20 The reckoning module of the present system may invoke any number of pre-  
selected criteria to resolve a dispute. Preferably, the system is setup to utilize bid-  
style negotiations, or, as stated above, simply forward the input dispute resolution  
25 data to an appropriate third party for mediation or arbitration.

30 Bid-style negotiations can take place either "closed" or "open". Closed bids  
are not made known to the opposing party(ies), while "open" bids are made known to  
the opposing party(ies). Each of the scenarios set forth herein can be made to apply in  
an "open" or "closed" condition.

35 20 During closed negotiations, the parties are not able to view the other party's  
demands or offers. The parties only see the resolution amount if and when the dispute  
is resolved. This option is particularly useful so as to not give away your position to  
your adversary.

40 During open-bid negotiations, one party will be able to view the other party's  
25 demand or offer, but only after they first enter a demand or an offer. For example, if  
the defendant submits the dispute and enters an initial offer, the system will not  
disclose the defendant's offer to the plaintiff until the plaintiff enters an initial  
45 demand. If the dispute is resolved, the parties will be informed of the resolution  
amount. If the dispute is not resolved, the parties will be so advised. Thereafter, the

5 defendant will not learn the amount of the plaintiff's initial demand until he or she  
enters another offer. Negotiations can continue until the dispute is resolved or until  
one party decides they are no longer interested in learning how much the other party  
10 has demanded or offered.

5 The details of how the reckoning module of the system can resolve a dispute  
are as follows.

15 *Bid-Style Negotiations*

The system can effectuate a settlement via bid-style negotiations, then, after  
the dispute resolution data is forwarded to the reckoning module, the reckoning  
20 module may compare the input demand to the input offer as follows:

if  $Y \leq X$ , then the dispute will settle for  $Y$ ;

25 if  $Y > X$  and  $Y \leq (X+30\%)$ , then the dispute will settle for  $(X+Y)/2$ ;

if  $Y > (X+30\%)$ , then the dispute will not settle;

30 wherein:

15  $X$  = the defendant's offer, and

$Y$  = the plaintiff's demand.

35 In other words, for the above example, the dispute will (1) settle for the value  
of the plaintiff's demand if the plaintiff's demand is below the value of the  
defendant's offer; (2) settle for the average between the plaintiff's demand and the  
40 defendant's offer if the plaintiff's demand is within 30% of the defendant's offer; or  
20 (3) not settle if the plaintiff's demand is above 30% of the defendant's offer.

45 The above algorithm can be varied by changing the percentage applied to the  
defendant's offer. Preferably, the percentage applied to the defendant's offer is from  
about 5% to about 35%. Additionally, the percentage applied to the defendant's offer

can be set by the Program User, typically the defendant, or preferably set as a default percentage by the system.

Further, the above bid-style negotiation may be repeated an unlimited number of times. That is, the plaintiff and the defendant may continue to negotiate until the dispute is resolved or negotiations are terminated. When repeated, the above algorithm is applied to the plaintiff's last entered demand and the defendant's last entered offer. Take the following situations for example:

Example 1

Date	Who	Action	Amount	Result
01/18	Plaintiff	Initial Demand	\$20,000	n/a
01/25	Defendant	Initial Offer	\$10,000	Did Not Settle
01/28	Plaintiff	New Demand	\$18,000	Did Not Settle
02/05	Defendant	New Offer	\$15,000	Settled for \$16,500

In Example 1, the dispute settled because the last demand (\$18,000) was within 30% of the last offer (\$15,000). It settled for \$16,500, the average of the last offer (\$15,000) and the last demand (\$18,000).

Example 2

Date	Who	Action	Amount	Result
03/05	Plaintiff	Initial Demand	\$12,000	n/a
03/18	Defendant	Initial Offer	\$8,000	Did Not Settle
03/27	Plaintiff	New Demand	\$8,500	Did Not Settle
04/05	Defendant	New Offer	\$9,000	Settled for \$8,500

In Example 2 above, the dispute settled because the last demand (\$8,500) was below the last offer (\$9,000). It settled for \$8,500, the amount of the last demand.

Example 3

Date	Who	Action	Amount	Result
02/05	Plaintiff	Initial Demand	\$80,000	n/a
02/10	Defendant	Initial Offer	\$40,000	Did Not Settle
02/20	Plaintiff	New Demand	\$75,000	Did Not Settle
02/25	Plaintiff	New Demand	\$70,000	Did Not Settle
03/01	Defendant	New Offer	\$50,000	Did Not Settle
03/05	Defendant	New Offer	\$60,000	Settled for \$65,000

In Example 3, the dispute settled because the last demand (\$70,000) was within 30% of the last offer (\$60,000). It settled for \$65,000, the average of the last offer (\$60,000) and the last demand (\$70,000). Please note that Example 3 above illustrates that either a plaintiff or a defendant may enter a demand or an offer at anytime they wish and they do not have to wait until the opposing party responds. When a party enters consecutive offers or demands, the system will utilize the last entered offer or demand for comparison.

Further, bid-style negotiations can be setup to resolve a dispute by prompting the user to input either an initial demand (for a user profiled as a plaintiff) or a high value and a low value to establish a resolution range (for a user profiled as a defendant). These input amounts will be used by the system to calculate whether the dispute is resolved.

When using the above resolution range embodiment, the dispute will (1) settle for the amount of the plaintiff's demand if the demand is between the high value and the low value of the defendant's resolution range; (2) settle for the low value of the defendant's resolution range if the plaintiff's demand is less than or equal to the low value of the resolution range; or (3) not settle if the plaintiff's demand is above the high value of the defendant's resolution range.

5 This embodiment can also be repeated an unlimited number of times. That is,  
the plaintiff and the defendant may continue to negotiate until the dispute is resolved  
or negotiations are terminated by either party. When repeated, the defendant enters a  
10 high value and a low value for each repetition and the plaintiff enters a demand for  
5 each repetition.

15 Alternatively, the system can be setup to automatically calculate a defendant's  
resolution range from a single entered value for each round. The system can either  
use the entered value as a median value, low value or high value and apply an  
appropriate percentage to that value to arrive at a resolution range.

20 Additionally, the system can be setup to keep the low value of the resolution  
range at a fixed value. For example, when the defendant enters an initial offer, the  
low value of the resolution range will be set to 50% less than the initial offer entered,  
and the high end will be set to the initial offer. During subsequent repetitions, the low  
25 value of the range will not change and will be set to the value previously calculated,  
15 however, the high end will be changed to the offer entered for that repetition.

30 For example, if the defendant entered \$10,000 as an initial offer, the system  
would calculate the resolution range as \$5,000 to \$10,000. The low end of the range  
will remain the same for each subsequent repetition (\$5,000) and the high end of the  
range will be established as the subsequent offer entered.

35 20 Further, the user may choose an auto-negotiate option. If the auto-negotiate  
option is chosen, the system will calculate the demands/offers entered for each round  
based upon certain criteria. When the user selects the auto-negotiate option, the  
system will prompt the user to input certain criteria which will enable the system to  
40 make a decision as to the demands/offers to be made. The criteria prompted to be  
entered may include the following: i) the number of offers/demands the user would  
25 like to make, ii) the consideration they would like to increase or decrease with each  
successive repetition of negotiations, iii) the time period they would like between the  
45 submission of demands/offers, and any other similar criteria. This option may be  
selected by the defendant, plaintiff, both or neither.

5 For example, if the defendant selects the auto-negotiate option, then the  
defendant would be prompted to enter additional information which they would like  
the system to consider when making offers. The defendant could enter a single offer  
10 and an amount with which to increase that offer for each repetition. This option could  
5 also be used in conjunction with the different pre-selected criteria used to effectuate a  
settlement as discussed above.

15 Optionally, the system may also employ the use of a "silent mediator" feature,  
electronic or otherwise. This feature operates in the last repetition of negotiations if  
there was a set limit to the number of repetitions, or to demands/offers identified as  
10 final demands/offers. With the "silent mediator" feature, the dispute will settle for the  
20 average of the demand and the high value of the resolution range if the demand is  
within a specified percentage of the high value of the resolution range. In other  
words, the dispute will only not settle if the demand is higher than the high value of  
25 the resolution range for any repetition other than the most recent, and above the high  
15 value of the most recent established resolution range plus the specified percentage.  
With this feature, the system assumes that the parties would truly wish to resolve the  
dispute if they knew they were within the specified percentage of each other at the  
30 end of the negotiation process.

The specified percentage is preferably from about 5% to about 30%.  
20 Additionally, the specified percentage may be set by the system or chosen by one or  
35 more of the parties to the dispute.

If, after application of any of the above criteria, the dispute does not settle, the  
party entering the demand/offer will be informed of such and prompted to either enter  
40 another demand/offer (if the demand/offer entered was not a final or last repetition  
25 demand/offer), or log-off the system. Should the user opt to enter another  
demand/offer they may do so and the process as outlined above will be repeated. If  
45 the user wishes to log-off the system they will be returned to the home page of the  
web site.



5 Preferably, and to facilitate resolution of the dispute, the system may require  
that parties profiled as defendants increase offers for each repetition of negotiations  
by a minimum of a predetermined percentage, such as 5% of the prior offer.  
10 Similarly, the system may require that parties profiled as plaintiffs decrease their  
5 demands by a minimum of a predetermined percentage, such as 5% of the prior  
demand. In other words, if you are the plaintiff, and your last demand was \$100,000,  
your next demand may be required to be \$95,000 or less (\$100,000 - 5% is \$95,000).  
15 Similarly, if you are the defendant and your last offer was \$90,000, your next offer  
may be required to be \$94,500 or higher (\$90,000 + 5% is \$94,500).

10 Further, the system preferably applies a fee structure for accessing and using  
20 the system. While any fee structure can be provided for accessing and using the  
present invention, a preferred embodiment contemplates a fee structure which  
financially encourages each of the parties to resolve the dispute. One such structure  
25 requires each party to pay a certain amount to participate in the resolution  
15 proceeding(s). Thus, the plaintiff must pay a fee for submission of each demand and  
the defendant must pay a fee for submission of each offer. These fees can also be  
graduated to correspond to the financial magnitude of the dispute, e.g., a "dog  
30 bite" case to a serious injury or even a death case. A variety of schemes can be  
employed, but this feature of the invention financially rewards resolution and  
20 financially penalizes non-resolution by fee structure.

35 Further, before either the defendant or the plaintiff enters an offer or a demand  
into the system, they are preferably prompted to review a Negotiation Agreement. If  
they agree to the terms of the Agreement, they then click on the Agree icon and are  
thereafter bound by the terms and conditions of the Agreement. If this option is  
40 25 utilized, and the parties do not agree to the terms and conditions, they are not allowed  
to enter demands or offers onto the system. This review of a Negotiation Agreement  
is preferably prompted to every party before the entering of demands or offers.

45 The parties to the dispute may also have the option of entering a maximum  
settlement amount (for defendants) or a minimum settlement amount (for plaintiffs).  
30 If a maximum settlement amount is entered, the system will prohibit a defendant from

5 entering a settlement offer that may result in a settlement that exceeds the selected  
maximum amount. Conversely, if a minimum settlement amount is entered, the  
system will prohibit the plaintiff from demanding an amount that may result in a  
10 settlement that is less than the selected minimum amount. If a user enters a prohibited  
5 amount, the system will reject the amount and request the user to enter an appropriate  
value or amend their maximum or minimum settlement amount.

15 The system may also utilize a negotiating safeguard. Specifically, after a user  
enters an offer or a demand, the system will prompt the user inquiring as to whether  
or not the user wishes to enter that particular amount, further modify the amount, or  
10 not enter the amount at all. This safeguard further ensures that either party has a  
20 sufficient time to contemplate and/or modify their demand or offer before entry,  
thereby decreasing the possibility of erroneous entry.

25 The parties to the dispute may also be given the option of entering a "final  
demand" (plaintiff) or "final offer" (defendant) at one time during the negotiation  
15 process. This is accomplished by clicking on the "final demand" or "final offer" icon  
on the bid submission screen.

30 If the defendant selects the "final offer" option, the system will automatically  
calculate the exact amount the defendant can offer so that the maximum settlement  
amount possible on the dispute (calculated in accordance with the systems settlement  
35 criteria) will be equal to the maximum possible settlement amount.

40 If the claimant selects the "final demand" option, the system will  
automatically calculate the exact amount the claimant can enter so that the minimum  
settlement amount possible on the dispute (calculated in accordance with the systems  
settlement criteria) will be equal to the minimum possible settlement amount.

25 45 Once a party (plaintiff or defendant) has selected the "final demand" or "final  
offer" option, they are prevented from entering any further offers or demands for the  
dispute. In addition, the dispute status will be changed to "final offer" or "final  
demand" and the other party will be notified of the change.

5           After all information is entered into the system in an attempt to resolve the  
dispute, the information entered and generated by the reckoning module is transmitted  
to the management module for identification, sorting, compiling and storage.

#### 10                           Claims-data Storage and Retrieval System

5           Further, Program Managers of the present system will be given the option of  
utilizing a claims-data storage and retrieval system. If a user chooses to use the  
15           storage and retrieval system, the data for all of the disputes for that particular user will  
be forwarded by the management module to a claims-data storage and retrieval  
system 20, as shown in Fig. 2. The claims-data storage and retrieval system will  
10           further sort, compile, arrange and store the forwarded data with the data from all other  
data in the system in a queryable form. Thereafter, all users who have forwarded data  
20           will have access to the claims-data storage and retrieval system 20 via the  
management module 5 of the system 1. All users who have forwarded data will be  
25           able to enter a query to the management module for a search of the storage and  
15           retrieval system.

          For example, in personal injury cases, users of the storage and retrieval system  
30           can query the storage and retrieval system data to ascertain the average settlement  
values for all disputes entered into the system based on venue, type of injury and/or  
body part injured. To keep certain information confidential, the users will not have  
20           access to specific dispute information, such as the parties' names, attorneys' names or  
35           claim or dispute numbers.

          The forwarding of data to this storage and retrieval system will enable the  
users of the present system to better determine a fair value for a claim based on  
40           current and past statistical data. This feature will lead to a more efficient negotiation  
25           process wherein defendants will be able to quickly and easily ascertain the value of  
certain claims.

### Software Packages

Preferably, the present invention is designed for use with the following software packages, or their equivalent: Microsoft Windows NT Server 4.0 with Internet Information Server 3.0 (IIS), Allaire ColdFusion 4.0 Server and Studio, Microsoft Visual Foxpro 6.0 (alternatively, Microsoft SQL Server 7.0 Enterprise), Seagate Crystal Reports, Expert Systems Ease Telephony System, and the like. A full discussion of these and other related software packages is beyond the scope of this application. However, brief explanations as to how the above-mentioned packages are utilized by the present system are noted below.

The Microsoft Windows NT Server 4.0 with Internet Information Server 3.0 (IIS 3.0) allows the server to operate and involves setting user access rights and monitoring system performance. IIS 3.0 allows for the web hosting features related to Windows NT and allows internet users to access the present system.

Allaire ColdFusion 4.0 Server and Studio software is a web hosting program which complements IIS 3.0. It specializes in handling the management module features of the present system, such as, for example, adding, updating, deleting and retrieving data in the management module. Coldfusion processes requests from the system and translates them into instructions that IIS 3.0 can understand. IIS 3.0 processes those instructions and returns the results back to Coldfusion.

Microsoft Visual Foxpro 6.0 (alternatively, Microsoft SQL Server 7.0 Enterprise) is a relational database management system. This, and other similar software, stores all data for to the system. IIS 3.0 and Coldfusion communicate with this software via the Open Database Conductivity (ODBC) services feature offered in Windows NT.

Seagate Crystal Reports is a database report generating software package. This software outputs information to HTML format files utilized during communication with the internet. This software works in tandem with the ODBC feature of Windows NT.

5 Expert Systems Ease Telephony System is a telephony platform as well as a  
development system. This package allows for the routing of incoming calls to the  
system and also communicates with the data files via the ODBC feature of Windows  
10 NT.

5 The ability of the system of the present invention to manage and compile all  
information related to the dispute enables the substantially seamless progression from  
bid-style negotiations to mediation to arbitration. Additionally, the sorting,  
15 compiling, organizing and storage capabilities of the present system allow the parties  
to choose between some or all of the above-outlined resolution procedures, and in any  
10 order they desire.

20 Thus, while the foregoing detailed description has disclosed what is presently  
believed to be the preferred embodiments of the invention, those skilled in the art will  
appreciate that other and further changes and modifications can be made without  
25 departing from the scope or spirit of the invention, and it is intended that all such  
15 other changes and modifications are included in and are within the scope of the  
invention as described in the appended claims.

## Claims

5

10

15

20

25

30

35

40

45

50

55

5                   **WHAT IS CLAIMED:**

1.       A system for managing non-judicial dispute resolution comprising:

10           an electronic architecture which receives, sorts, and stores data related to non-judicial dispute resolution for implementation and management of a full range of non-judicial dispute resolution procedures between two or more adverse parties to a  
5       dispute.

15           2.       A system as described in Claim 1 wherein said system is accessible via the internet.

20           3.       A system as described in Claim 2 wherein said system is accessed via a link embedded within a web site of another entity.

25           4.       A system as described in Claim 1 wherein said system is accessible via electronic communication.

30           5.       A system as described in Claim 1 wherein said system is accessible via wireless communication.

35           6.       A system as described in Claim 5 wherein said wireless communication is selected from the group consisting of radio frequency, microwave, UHF and other frequencies selected from the electromagnetic spectrum.

40           7.       A system as described in Claim 1 wherein said architecture comprises:  
          a management module configured to receive, sort and store said dispute resolution data and to provide an internal continuous compilation of said data and new data generated during said non-judicial dispute resolution procedures; and

5       a reckoning module connected to said management module for receipt of said dispute resolution data, said reckoning module designed to implement a selected resolution procedure and to transmit to said management module new data generated during said resolution procedure.

5                   8.     A system as described in Claim 7 wherein said system provides access  
in response to biographical data input by at least one of said parties to said dispute.

10                   9.     A system as described in Claim 8 wherein said access is provided upon  
verification of said biographical data.

15                   10.    A system as described in Claim 9 wherein said biographical data  
comprises at least one or more of an account number, username, and password.

20                   11.    A system as described in Claim 8 wherein said access is a tiered level  
access comprising at least a program manager access and a program user access.

25                   12.    A system as described in Claim 11 wherein program manager access  
includes a plurality of selectable actions.

30                   13.    A system as described in Claim 12 wherein said plurality of selectable  
actions is selected from the group consisting of adding additional users, modifying  
existing user data, transferring active cases from one user to another user, deactivating  
users, modifying account registration data, browsing all disputes, generating detailed  
5     dispute reports, generating summary reports of all disputes, browsing all dispute  
resolution cases, and any combination of one or more of said actions.

35                   14.    A system as described in Claim 13 wherein said management module  
provides relevant data to said program manager in response to an action selected by  
said program manager.

40                   15.    A system as described in Claim 11 wherein said program user access  
includes a plurality of selectable options.

45                   16.    A system as described in Claim 15 wherein said plurality of selectable  
options is selected from the group consisting of adding a dispute, responding to a  
dispute, browsing disputes, generating dispute reports, and generating summary  
reports, and any combination of one or more of said options.



5                   17.     A system as described in Claim 16 wherein said management module provides relevant data to said program user in response to an option selected by said program user.

10                   18.     A system as described in Claim 8 further comprising administrative personnel access.

15                   19.     A system as described in Claim 18 wherein said administrative personnel access includes a plurality of selectable choices.

20                   20.     A system as described in Claim 19 wherein said plurality of selectable choices is selected from the group consisting of informing parties of disputes submitted to the system which request their response, informing users of settled disputes, marking disputes active, generating priority dispute lists, generating activity reports for the system, providing billing information, generating summary reports for any or all accounts within the system, generating audit reports to ensure that the system is functioning properly, and any combination of one or more of said choices.

25                   21.     A system as described in Claim 20 wherein said management module provides relevant data to said administrative personnel in response to a choice selected by said administrative personnel.

30                   22.     A system as described in Claim 8 further comprising settle-only access.

35                   23.     A system as described in Claim 22 wherein said management module provides relevant data to said reckoning module in response to providing settle-only access.

40                   24.     A system as described in Claim 23 wherein said system displays only said relevant data to said settle-only access user.

45                   25.     A system as described in Claim 7 wherein said management module further provides operational support to be used in connection with said non-judicial dispute resolution procedures.

5                   26.     A system described in Claim 25 wherein said operational support is  
selected from the group consisting of reporting services, translation services,  
10 interpretation services, structure settlement arrangements, and any combination of one  
or more of said operation supports.

                  27.     A system as described in Claim 7 wherein said architecture further  
comprises a claims-data storage and retrieval system.

15                   28.     A system as described in Claim 27 wherein said storage and retrieval  
system retains data relating to dispute resolution and enables retrieval of said data by  
categories.

20                   29.     A system as described in Claim 28 wherein said categories are selected  
from the group consisting of descriptive nature of the dispute, settlement amount,  
venue, type of injury, body part injured, sex, age, occupation, and any combination of  
25 one or more of said categories.

                  30.     A system as described in Claim 27 wherein said storage and retrieval  
system is accessed by a user who agrees to provide data from said management  
30 module which relate to all disputes associated with said user.

                  31.     A system as described in Claim 30 wherein said storage and retrieval  
system data is confidential.

35                   32.     A system as described in Claim 7 wherein said full range of non-  
judicial dispute resolution procedures comprise bid-style negotiations, mediation, and  
arbitration, which are provided as a substantially seamless array of procedures.

40                   33.     A system as described in Claim 32 wherein said management module  
provides relevant data to said reckoning module in response to a dispute resolution  
procedure selected by one of said parties to said dispute.

45                   34.     A system as described in Claim 33 wherein said non-judicial dispute  
resolution procedure is a bid-style negotiation.

5                   35.    A system as described in Claim 34 wherein said bid-style negotiation  
is a closed-bid negotiation.

10                   36.    A system as described in Claim 34 wherein said bid-style negotiation  
is an open-bid negotiation.

15                   37.    A system as described in Claim 34 wherein said system provides a  
profile promptor to said party selecting said dispute resolution procedure, said profile  
promptor prompting said party to select a profile.

20                   38.    A system as described in Claim 37 wherein said profile is selected  
from the group consisting of plaintiff and defendant.

25                   39.    A system as described in Claim 38 wherein said system provides a  
negotiating promptor to said plaintiff and said defendant, said negotiating promptor  
prompting said plaintiff to enter a demand and said defendant to enter an offer.

30                   40.    A system as described in Claim 39 wherein said reckoning module  
employs a pre-selected criteria, said pre-selected criteria comparing said entered  
demand and said entered offer to determine if said dispute is resolved.

35                   41.    A system as described in Claim 40 wherein said system sends a  
notification to said plaintiff and said defendant if said dispute is resolved.

40                   42.    A system as described in Claim 40 wherein said pre-selected criteria  
resolves said dispute:

a) for the value of said demand if said demand is less than said offer; or

45                   b) for the average between said demand and said offer if said demand is within  
5 a pre-selected percentage of said offer.

50                   43.    A system as described in Claim 42 wherein said pre-selected  
percentage is from about 5% to about 35%.

5                   44.    A system as described in Claim 40 wherein said offer includes a high value and a low value, said high value and said low value establishing a resolution range.

10                   45.    A system as described in Claim 44 wherein said pre-selected criteria resolves said dispute:

15                   a) for the value of said demand if said demand is between said high value and said low value of said resolution range; or

5                   b) for said value of said low value of said resolution range if said demand is less than or equal to said low value.

20                   46.    A system as described in Claim 45 wherein said low value is a fixed value and said high value is a changing value.

25                   47.    A system as described in Claim 40 wherein said reckoning module transmits said new data generated during said resolution procedure to said management module for compiling, sorting and storing.

30                   48.    A system as described in Claim 32 wherein said non-judicial dispute resolution procedure is a mediation.

35                   49.    A system as described in Claim 48 wherein said management module provides relevant data to a mediator in response to said mediation selection.

40                   50.    A system as described in Claim 49 wherein said mediation is a real-time on-line mediation.

45                   51.    A system as described in Claim 49 wherein said mediation is an off-line mediation.

50                   52.    A system as described in Claim 32 wherein said non-judicial dispute resolution procedure is an arbitration.

5           53.    A system as described in Claim 52 wherein said management module  
provides relevant data to an arbitrator in response to said arbitration selection.

10           54.    A system as described in Claim 53 wherein said arbitration is a real-  
time on-line arbitration.

15           55.    A system as described in Claim 53 wherein said arbitration is an off-  
line arbitration.

20           56.    A system as described in Claim 1 further comprising a fee structure for  
accessing and using said system.

25           57.    A system as described in Claim 56 wherein said fee structure  
financially rewards resolution and financially penalizes non-resolution.

30           58.    A system for managing non-judicial dispute resolution comprising:  
an electronic architecture which receives, sorts, and stores data related to non-  
judicial dispute resolution for implementation and management of a full range of non-  
judicial dispute resolution procedures, said architecture having multiple types of  
5 access.

35           59.    A system as described in Claim 58 wherein said multiple types of  
access are chosen from the group consisting of program manager access and program  
user access.

40           60.    A system as described in Claim 59 further comprising administrative  
personnel access.

45           61.    A system as described in Claim 60 further comprising settle-only  
access.

50           62.    An electronic architecture for managing non-judicial dispute resolution  
comprising:

5 a management module configured to receive, sort and store dispute resolution data and to provide an internal continuous compilation of said data;

10 a reckoning module connected to said management module for receipt of said dispute resolution data, said reckoning module designed to utilize said received data,  
5 implement a non-judicial dispute resolution procedure and transmit to said management module new data, if any, generated during said resolution procedure; and

15 wherein said management module, in response to said transmitted new data, groups sorts and stores said new data.

20 63. An on-line real-time updated database comprising:

a management module configured to receive, sort and store dispute resolution data and to provide an internal continuous compilation of said data into searchable records, said management module updating said searchable records in response to  
25 5 changes or additions to said compilation of data.

30 64. A storage and retrieval system comprising:

a claims-data storage and retrieval database, said database configured to receive, sort, compile, store, and make available for retrieval by categories, dispute resolution data requested to be forwarded to said database by users of said storage and  
35 5 retrieval system; and wherein only said users forwarding said data are given access to retrieve said data.

40 65. A system as described in Claim 64 wherein said storage and retrieval system data is sorted, compiled, arranged and stored such that said data is confidential.

45 66. A system for managing non-judicial dispute resolution comprising:

an electronic interface, said interface providing multiple types of access to an electronic architecture which receives, sorts, and stores data related to non-judicial dispute resolution for implementation and management of a full range of non-judicial  
50 5 dispute resolution procedures.

5                   67.    A system as described in Claim 66 wherein said multiple types of  
access are chosen from the group consisting of program manager access and program  
user access.

10                  68.    A system as described in Claim 67 further comprising administrative  
personnel access.

15                  69.    A system as described in Claim 67 further comprising settle-only  
access.

20                  70.    A method of managing non-judicial dispute resolution comprising the  
steps of:

                  providing and maintaining an electronic interface, said interface providing  
multiple types of access to an electronic architecture which receives, sorts, and stores  
5   data related to non-judicial dispute resolution for implementation and management of  
25   a full range of non-judicial dispute resolution procedures.

                  71.    A method as described in Claim 70 wherein said multiple types of  
access are chosen from the group consisting of program manager access and program  
30   user access.

                  72.    A method as described in Claim 71 further comprising administrative  
personnel access.

35                  73.    A method as described in Claim 71 further comprising settle-only  
access.

40                  74.    A method of managing non-judicial dispute resolution comprising:

                  providing an accessible architecture which stores non-judicial dispute  
resolution data and allows said data to be retrieved;

45                  receiving non-judicial dispute resolution data from one or more adverse parties  
5   to a dispute;

5 storing said received data in said architecture; and

prompting said parties to implement a full range of a non-judicial dispute  
10 resolution procedures.

75. A method as described in Claim 74 wherein said architecture is a tiered  
level accessible architecture, said tiered level accessible architecture having at least a  
program manager access and a program user access.

76. A method as described in Claim 75 comprising program manager  
accessing.

77. A method as described in Claim 76 further comprising prompting said  
20 program manager to select from a plurality of selectable actions.

78. A method as described in Claim 77 wherein said plurality of selectable  
25 actions is selected from the group consisting of adding additional users, modifying  
existing user data, transferring active cases from one user to another user, deactivating  
users, modifying account registration data, browsing all disputes, generating detailed  
5 dispute reports for one or more disputes, generating summary reports of all disputes,  
30 browsing all dispute resolution cases, and any combination of one or more of said  
actions.

79. A method as described in Claim 78 wherein said program manager  
35 selects an action whereby relevant data is retrieved from said architecture.

80. A method as described in Claim 75 comprising program user  
accessing.

81. A method as described in Claim 80 further comprising prompting said  
40 program user to select from a plurality of selectable options.

82. A method as described in Claim 81 wherein said plurality of selectable  
45 options is selected from the group consisting of adding a dispute, responding to a  
dispute, browsing all disputes, generating dispute reports for all disputes, generating  
summary reports for all disputes, and any combination of one or more of said options.  
50



5                   83.     A method as described in Claim 82 wherein said user selects an option  
whereby relevant data is retrieved from said architecture.

10                   84.     A method as described in Claim 75 further comprising administrative  
personnel accessing.

15                   85.     A method as described in Claim 84 further comprising prompting said  
administrative personnel to select from a plurality of selectable choices.

20                   86.     A system as described in Claim 85 wherein said plurality of selectable  
choices are selected from the group consisting of informing parties of disputes  
submitted to the system which request their response, informing users of settled  
disputes, marking disputes active, generating priority dispute lists, generating activity  
5 reports for the system, providing billing information, generating summary reports for  
any or all accounts within the system, generating audit reports to ensure that the  
system is functioning properly, and any combination of one or more of said choices.

25                   87.     A method as described in Claim 86 wherein said administrative  
personnel select a choice whereby relevant data is retrieved from said architecture.

30                   88.     A method as described in Claim 75 further comprising settle-only  
access.

35                   89.     A method as described in Claim 74 further comprising providing  
operational support to be used in connection with said non-judicial dispute resolution  
procedures.

40                   90.     A method as described in Claim 89 wherein said operational support is  
selected from the group consisting of reporting services, translation services,  
interpretation services, structure settlement arrangements, and any combination of one  
or more of said operational supports.

45                   91.     A method as described in Claim 71 further comprising providing a  
claims-data storage and retrieval system.

5                   92.     A method as described in Claim 91 wherein said storage and retrieval system retains data relating to dispute resolution and enables retrieval of said data by categories.

10                   93.     A method as described in Claim 92 wherein said categories are selected from the group consisting of descriptive nature of the dispute, settlement amount, venue, type of injury, body part injured, sex, age, occupation, and any combination of one or more of said categories.

15                   94.     A method as described in Claim 91 further comprising providing access to said storage and retrieval system after selecting to forward data relating to all disputes to said storage and retrieval system.

20                   95.     A method as described in Claim 94 further comprising maintaining storage and retrieval system data as confidential.

25                   96.     A method as described in Claim 74 wherein said full range of non-judicial dispute resolution procedures comprise bid-style negotiations, mediation, and arbitration, which are provided as a substantially seamless array of procedures.

30                   97.     A method as described in Claim 96 further comprising implementing a bid-style negotiation.

35                   98.     A method as described in Claim 97 wherein said bid-style negotiation is a closed-bid negotiation.

40                   99.     A method as described in Claim 97 wherein said bid-style negotiation is an open-bid negotiation.

                  100.    A method as described in Claim 97 further comprising prompting one or more of said parties to said dispute to select a profile.

45                   101.    A method as described in Claim 100 wherein said profile is selected from the group consisting of plaintiff and defendant.

5                   102. A method as described in Claim 100 further comprising prompting one  
or more of said parties to said dispute to select a nature of said dispute.

10                   103. A method as described in Claim 102 wherein said nature of said  
dispute is selected from the group consisting of loans, business transactions,  
construction, contracts, credit cards, foreclosures, labor and employment, landlord /  
tenant, lender liability, partnership agreements, personal injury, professional liability,  
15                   5 purchase and sale transactions, rental agreements, intellectual property subrogation,  
and worker compensation.

20                   104. A method as described in Claim 101 further comprising prompting said  
party implementing said bid-style negotiation to select an opposing party to said  
dispute, said opposing party being profiled as a defendant if said implementing party  
is profiled as a plaintiff and profiled as a plaintiff if said opposing party is profiled as  
a defendant.

25                   105. A method as described in Claim 104 wherein said opposing party is  
identifiable from said data stored within said architecture.

30                   106. A method as described in Claim 104 further comprising prompting said  
party implementing said bid-style negotiation to enter a demand if profiled as a  
plaintiff or enter an offer if profiled as a defendant.

35                   107. A method as described in Claim 106 further comprising notifying said  
opposing party that said dispute has been submitted and is awaiting their response.

40                   108. A method as described in Claim 107 further comprising receiving a  
response from said opposing party.

45                   109. A method as described in Claim 108 further comprising prompting said  
opposing party to enter a demand if profiled as a plaintiff or enter an offer if profiled  
as a defendant.

5           110. A method as described in Claim 109 further comprising comparing  
said entered demand and said entered offer to pre-selected criteria to determine if said  
dispute is resolved.

10           111. A method as described in Claim 110 further comprising notifying said  
plaintiff and said defendant if said dispute is resolved or is not resolved.

15           112. A method as described in Claim 110 wherein said pre-selected criteria  
resolves said dispute:

a) for the value of said demand if said demand is less than said offer; or

20           b) for the average between said demand and said offer if said demand is within  
5 a pre-selected percentage of said offer.

25           113. A method as described in Claim 112 wherein said pre-selected  
percentage is from about 5% to about 35%.

30           114. A method as described in Claim 110 wherein said offer includes a high  
value and a low value, said high value and said low value establishing a resolution  
range.

35           115. A method as described in Claim 114 wherein said pre-selected criteria  
resolves said dispute:

a) for the value of said demand if said demand is between said high value and  
said low value of said resolution range; or

40           b) for said value of said low value of said resolution range if said demand is  
less than or equal to said low value.

45           116. A method as described in Claim 115 wherein said low value is a fixed  
value and said high value is a changing value.

50           117. A method as described in Claim 96 further comprising implementing a  
mediation.

5                   118. A method as described in Claim 117 further comprising providing relevant data from said architecture to a mediator in response to said implemented mediation.

10                   119. A method as described in Claim 117 wherein said mediation is a real-time on-line mediation.

15                   120. A method as described in Claim 117 wherein said mediation is off-line mediation.

20                   121. A method as described in Claim 120 wherein at least some evidence for consideration by a mediator are submitted on-line.

25                   122. A method as described in Claim 96 further comprising implementing an arbitration.

30                   123. A method as described in Claim 122 further comprising providing relevant data from said architecture to an arbitrator in response to said implemented arbitration.

35                   124. A method as described in Claim 122 wherein said arbitration is a real-time on-line arbitration.

40                   125. A method as described in Claim 122 wherein said arbitration is off-line.

45                   126. A method as described in Claim 125 wherein at least some evidence for consideration by said arbitrator is submitted on-line.

50                   127. A method as described in Claim 74 further comprising providing a fee structure for accessing and using said system.

55                   128. A method as described in Claim 127 wherein said fee structure financially rewards resolution and financially penalizes non-resolution.

5                   129. A method of managing non-judicial dispute resolution comprising:

                  accessing an architecture which stores non-judicial dispute resolution data and  
                  allows said data to be retrieved;

10                   inputting non-judicial dispute resolution data for storage in said architecture;

5                   and

15                   implementing a full range of a non-judicial dispute resolution procedures.

                  130. A method as described in Claim 129 wherein said architecture is a  
                  tiered level architecture, said tiered level architecture having at least a program  
20                   manager access and a program user access.

                  131. A method as described in Claim 130 further comprising accessing said  
                  architecture as a program manager.

25                   132. A method as described in Claim 131 further comprising selecting from  
                  a plurality of selectable actions so as to retrieve relevant data from said architecture.

30                   133. A method as described in Claim 132 wherein said plurality of  
                  selectable actions is selected from the group consisting of adding additional users,  
                  modifying existing user data, transferring active cases from one user to another user,  
                  deactivating users, modifying account registration data, browsing all disputes,  
35                   5                   generating detailed dispute reports for one or more disputes, generating summary  
                  reports of all disputes, browsing all dispute resolution cases, and any combination of  
                  one or more of said actions.

40                   134. A method as described in Claim 130 further comprising accessing said  
                  architecture as a program user.

45                   135. A method as described in Claim 134 further comprising selecting from  
                  a plurality of selectable options so as to retrieve relevant data from said architecture.

                  136. A method as described in Claim 135 wherein said plurality of  
                  selectable options is selected from the group consisting of adding a dispute,

5 responding to a dispute, browsing all disputes, generating dispute reports for all disputes, generating summary reports for all disputes, and any combination of one or more of said options.

10 137. A method as described in Claim 130 further comprising settle-only access.

15 138. A method as described in Claim 129 as exists further comprising selecting operational support to be used in connection with said non-judicial dispute resolution procedures.

20 139. A method as described in Claim 138 wherein said operational support is selected from the group consisting of reporting services, translation services, interpretation services, structure settlement arrangements, and any combination of one or more of said operational supports.

25 140. A method as described in Claim 129 further comprising selecting to forward data relating to dispute resolution to a claims-data storage and retrieval system.

30 141. A method as described in Claim 140 wherein said storage and retrieval system retains said data relating to dispute resolution and enables retrieval of said data by categories.

35 142. A method as described in Claim 141 wherein said storage and retrieval system categories are selected from the group consisting of descriptive nature of the dispute, settlement amount, venue, type of injury, body part injured, sex, age, occupation, and any combination of one or more of said categories.

40 143. A method as described in Claim 140 further comprising accessing said storage and retrieval system after selecting to forward data relating to all disputes to said storage and retrieval system.

45 144. A method as described in Claim 143 wherein said storage and retrieval system data is maintained as confidential.

5                   145. A method as described in Claim 129 wherein said full range of non-judicial dispute resolution procedures comprise bid-style negotiations, mediation, and arbitration, which are provided as a substantially seamless array of procedures.

10                   146. A method as described in Claim 145 further comprising implementing a bid-style negotiation.

15                   147. A method as described in Claim 146 wherein said bid-style negotiation is a closed-bid negotiation.

20                   148. A method as described in Claim 146 wherein said bid-style negotiation is an open-bid negotiation.

25                   149. A method as described in Claim 146 further comprising selecting a profile.

30                   150. A method as described in Claim 149 wherein said profile is selected from the group consisting of plaintiff and defendant.

35                   151. A method as described in Claim 150 further comprising selecting a nature of said dispute.

40                   152. A method as described in Claim 151 wherein said nature of said dispute is selected from the group consisting of loans, business transactions, construction, contracts, credit cards, foreclosures, labor and employment, landlord / tenant, lender liability, partnership agreements, personal injury, professional liability, purchase and sale transactions, rental agreements, intellectual property, subrogation, and worker compensation.

45                   153. A method as described in Claim 150 further comprising identifying an opposing party to said dispute.

50                   154. A method as described in Claim 153 further comprising entering a demand if said selected profile is plaintiff or entering an offer if said selected profile is defendant.



5                   155. A method as described in Claim 154 further comprising notifying said  
opposing party that said dispute has been submitted and is awaiting their response.

10                   156. A method as described in Claim 155 further comprising receiving a  
response from said opposing party.

15                   157. A method as described in Claim 156 further comprising receiving a  
demand from said opposing party in response to an entered offer or receiving an offer  
from said opposing party in response to an entered demand.

20                   158. A method as described in Claim 157 further comprising comparing  
said demand and said offer to pre-selected criteria to determine if said dispute is  
resolved.

25                   159. A method as described in Claim 158 wherein said pre-selected criteria  
resolves said dispute:

30                   a) for the value of said demand if said demand is less than said offer; or

5                   b) for the average between said demand and said offer if said demand is within  
a pre-selected percentage of said offer.

35                   160. A method as described in Claim 159 wherein said pre-selected  
percentage is from about 5% to about 35%.

40                   161. A method as described in Claim 160 wherein said offer includes a high  
value and a low value, said high value and said low value establishing a resolution  
range.

45                   162. A method as described in Claim 161 wherein said pre-selected criteria  
resolves said dispute:

50                   a) for the value of said demand if said demand is between said high value and  
said low value of said resolution range; or

5                   b) for said value of said low value of said resolution range if said demand is  
less than or equal to said low value.

10               163.   A method as described in Claim 162 wherein said low value is a fixed  
value and said high value is a changing value.

15               164.   A method as described in Claim 145 further comprising implementing  
a mediation.

20               165.   A method as described in Claim 164 further comprising providing  
relevant data from said architecture to a mediator in response to said implemented  
mediation.

25               166.   A method as described in Claim 164 wherein said mediation is a real-  
time on-line mediation.

30               167.   A method as described in Claim 164 wherein said mediation is off-line  
mediation.

35               168.   A method as described in Claim 167 wherein at least some evidence  
for consideration by a mediator are submitted on-line.

40               169.   A method as described in Claim 145 further comprising implementing  
an arbitration.

45               170.   A method as described in Claim 169 further comprising providing  
relevant data from said architecture to an arbitrator in response to said implemented  
arbitration.

50               171.   A method as described in Claim 169 wherein said arbitration is a real-  
time on-line arbitration.

55               172.   A method as described in Claim 169 wherein said arbitration is off-line  
arbitration.

5                   173. A method as described in Claim 172 wherein at least some evidence  
for consideration by an arbitrator is submitted on-line.

10                   174. A method of managing non-judicial dispute resolution comprising:  
  
                  accessing an architecture in response to an implemented non-judicial dispute  
resolution procedure, said architecture having non-judicial dispute resolution data  
retrievably stored therein;

15                   5           inputting additional non-judicial dispute resolution data for retrievable storage  
in said architecture and for use during said implemented resolution procedure.

20                   175. A method as described in Claim 174 wherein said architecture is a  
tiered level architecture, said tiered level architecture having at least a program  
manager access and a program user access.

25                   176. A method as described in Claim 175 further comprising accessing said  
architecture as a program manager.

30                   177. A method as described in Claim 176 further comprising selecting from  
a plurality of selectable actions so as to retrieve relevant data from said architecture.

35                   178. A method as described in Claim 177 wherein said plurality of  
selectable actions is selected from the group consisting of adding additional users,  
modifying existing user data, transferring active cases from one user to another user,  
deactivating users, modifying account registration data, browsing all disputes,  
5                   generating detailed dispute reports for all disputes, generating summary reports of all  
disputes, browsing all dispute resolution cases, and any combination of one or more  
40                   of said actions.

45                   179. A method as described in Claim 175 further comprising accessing said  
architecture as a program user.

50                   180. A method as described in Claim 179 further comprising selecting from  
a plurality of selectable options so as to retrieve relevant data from said architecture.

5           181. A method as described in Claim 180 wherein said plurality of  
selectable options is selected from the group consisting of adding a dispute,  
10       responding to a dispute, browsing all disputes, generating dispute reports for all  
disputes, generating summary reports for all disputes, and any combination of one or  
5       more of said options.

15           182. A method as described in Claim 175 further comprising settle-only  
access.

20           183. A method as described in Claim 174 wherein said implemented non-  
judicial dispute resolution procedure comprises one or more of bid-style negotiations,  
mediation, and arbitration.

25           184. A method of managing non-judicial dispute resolution comprising:  
accessing an architecture having non-judicial dispute resolution data  
retrievably stored therein, said non-judicial dispute resolution data relating to a  
dispute between two or more parties;

5           reviewing said stored data to determine if action is needed;

30           selecting from a plurality of selectable choices so as to retrieve relevant data  
from said architecture.

35           185. A method as described in Claim 184 wherein said selectable choices  
are selected from the group consisting of informing parties of disputes submitted  
which request their response, informing parties of settled disputes, marking disputes  
40       active, generating priority dispute lists, generating activity reports, providing billing  
5       information, generating summary reports for any or all accounts, generating audit  
reports, and any combination of one or more of said choices.

1/4

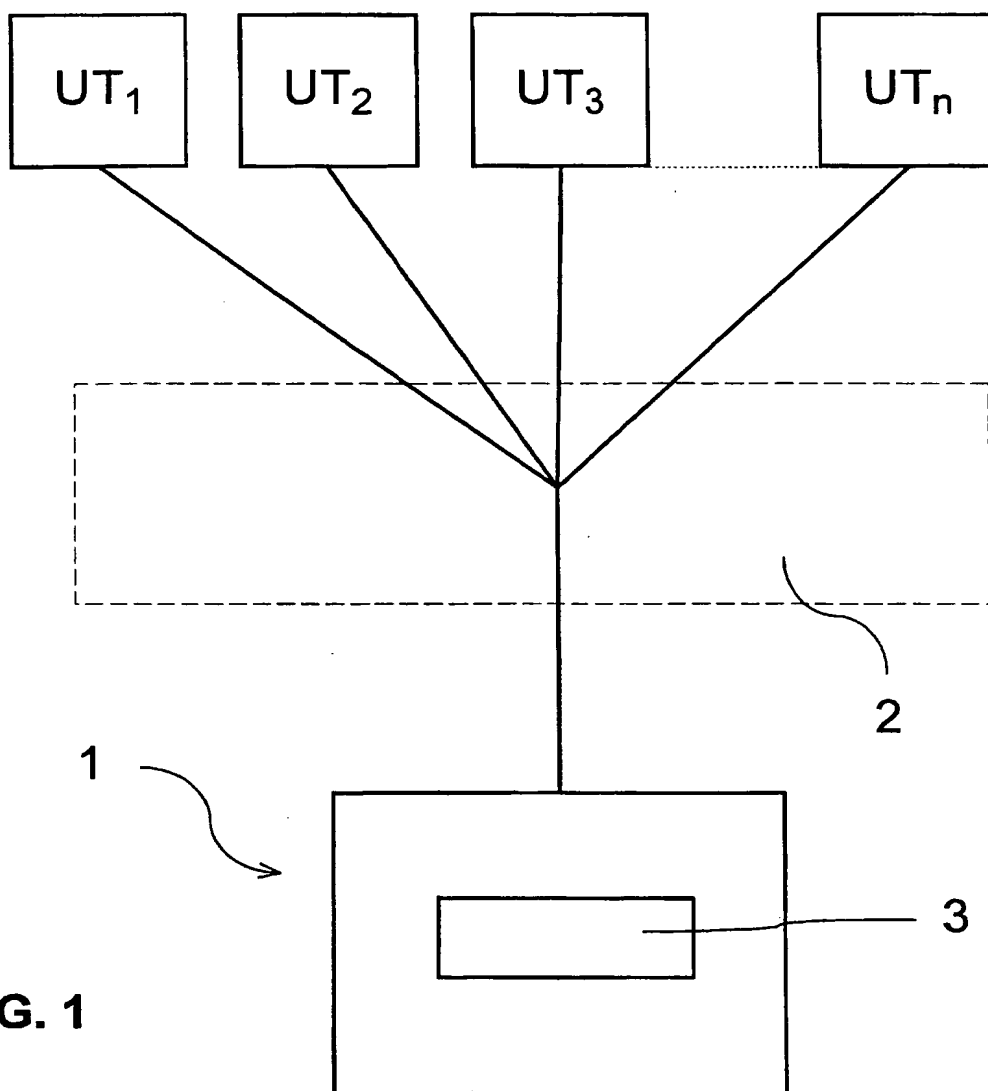
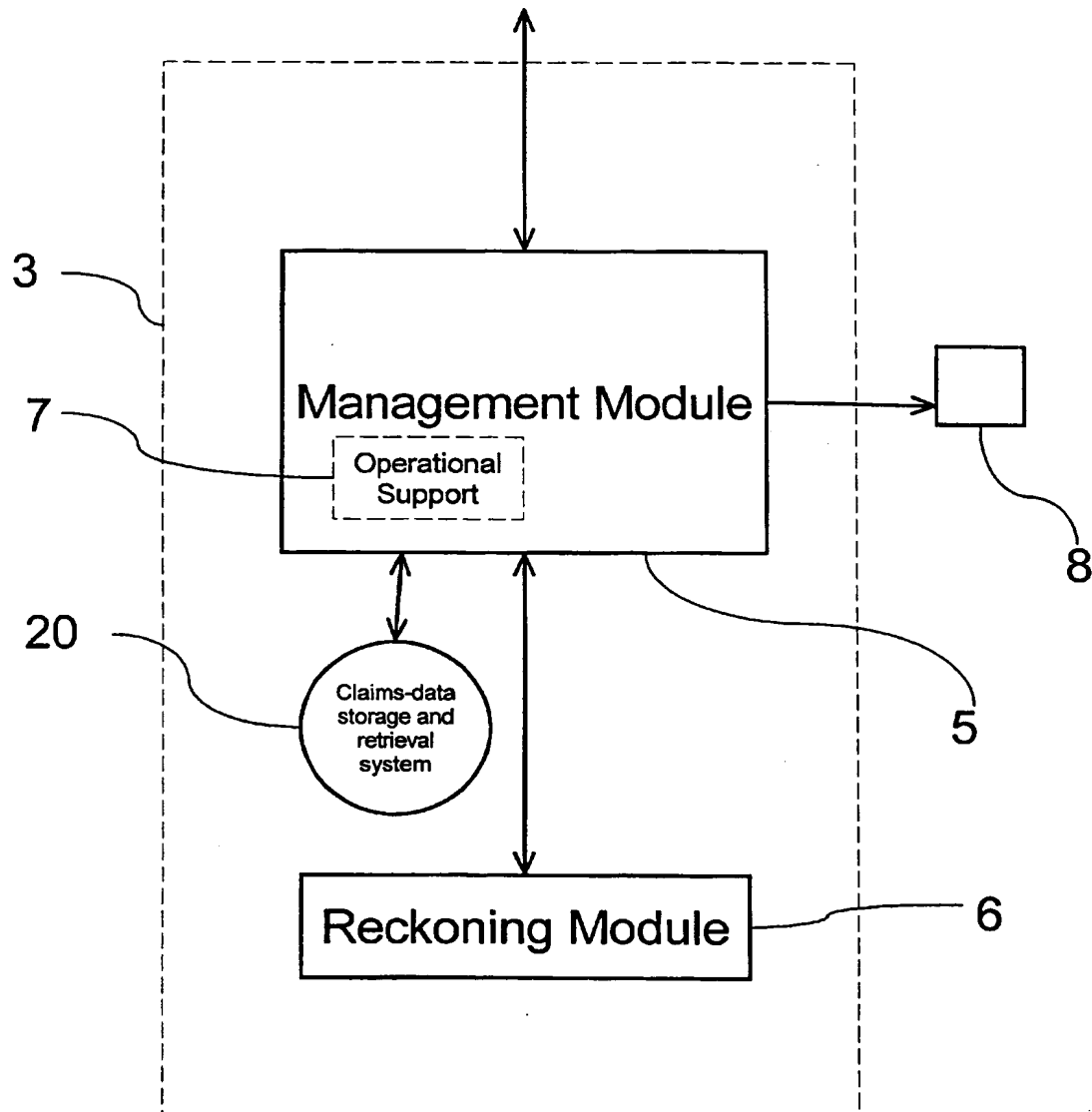


FIG. 1

FIG. 2



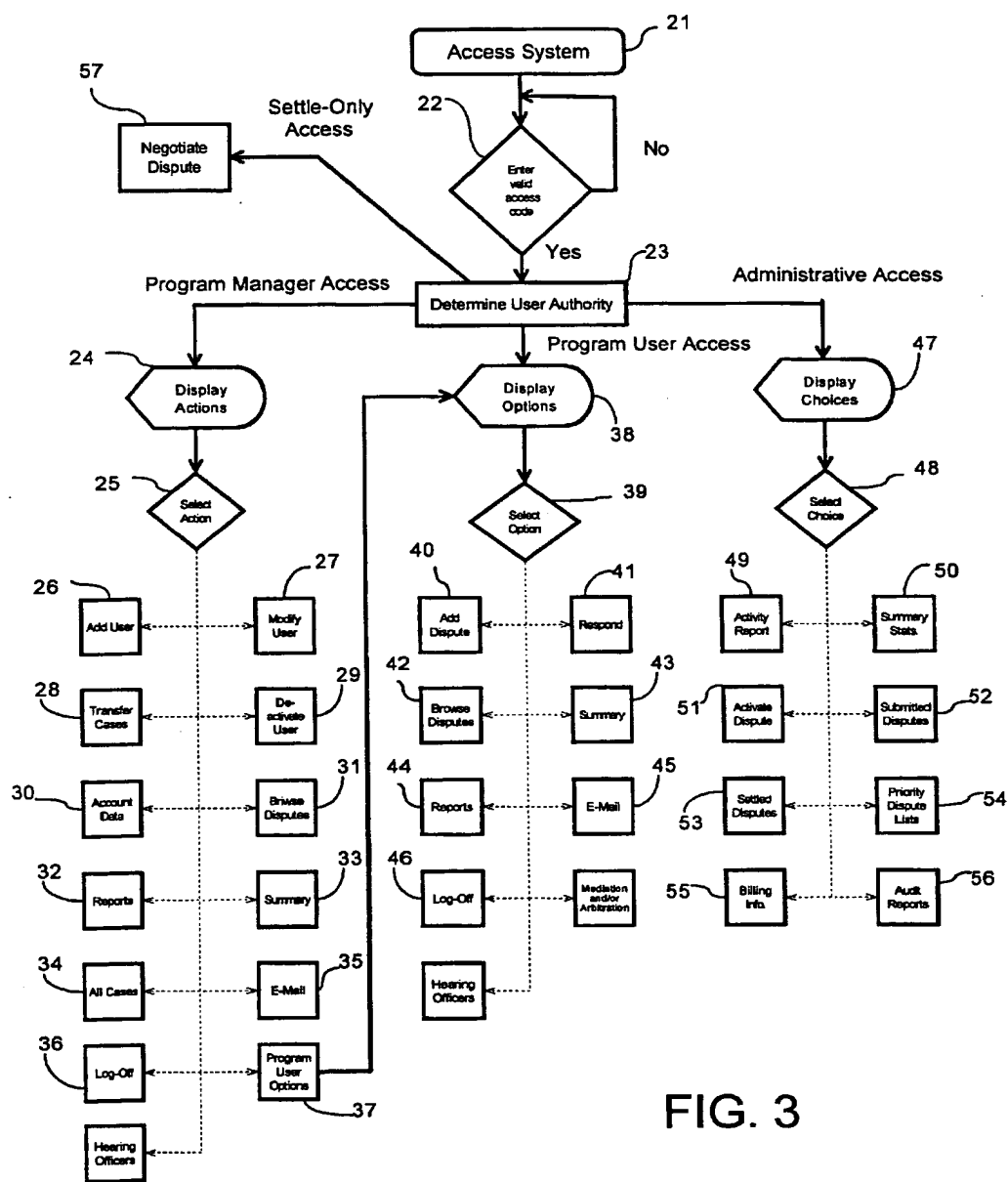
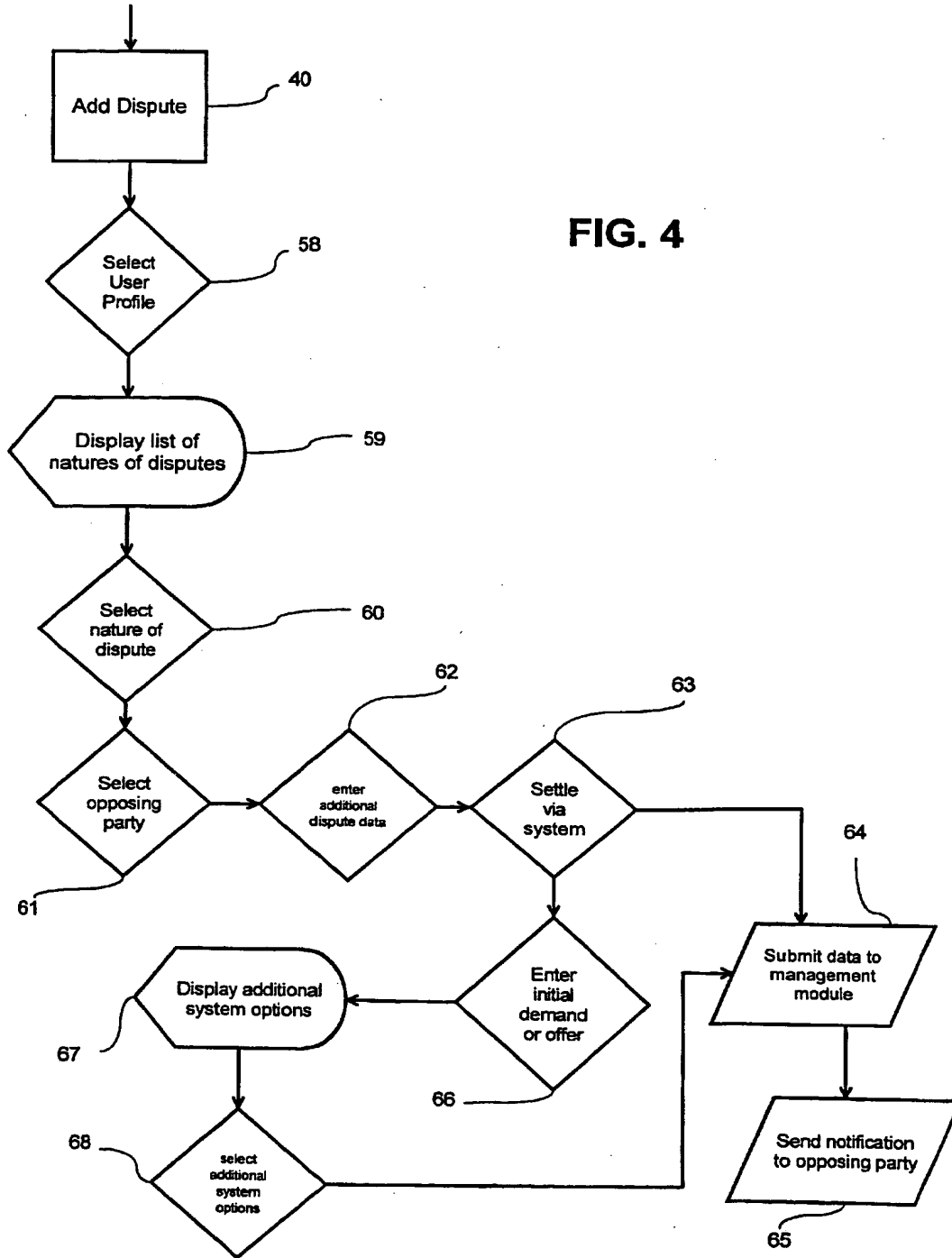


FIG. 4





## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US00/13111

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G06F 19/00

US CL : 705/1

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 705/1

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WEST, DIALOG, STN, IEEE, JAPIO, EPO, DWPI, TDBD

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,815,392 A (BENNETT ET AL) 29 September 1998, abstract and Figs. 1-9.	1-185
A	US 5,729,751 A (SCHOOLCRAFT) 17 March 1998, at least abstract.	1-185
A	US 5,329,447 A (LEEDOM, JR.) 12 July 1994, abstract and col 7 through col 16, line 28.	1-185
A	US 5,175,681 A (IWAI ET AL) 29 December 1992, whole document.	1-185
A	US 5,043,891 A (GOLDSTEIN ET AL) 27 August 1991, abstract and Figs. 1-14.	1-185
A	US 4,633,430 A (COOPER) 30 DECEMBER 1986, abstract and Figs. 1-4.	1-185

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:	*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
*A* document defining the general state of the art which is not considered to be of particular relevance	*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
*E* earlier document published on or after the international filing date	*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	*A* document member of the same patent family
*O* document referring to an oral disclosure, use, exhibition or other means	
*P* document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

04 AUGUST 2000

Date of mailing of the international search report

16 AUG 2000

Name and mailing address of the ISA/US  
Commissioner of Patents and Trademarks  
Box PCT  
Washington, D.C. 20231  
Facsimile No. (703) 305-3230

Authorized officer

TOD SWANN

Telephone No.

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US00/13111

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3,798,387 A (GALLAGHER, JR.) 19 March 1974, whole document.	1-185
A,P	US 5,956,687 A (WAMSLEY ET AL.) 21 September 1999, at least abstract.	1-185